SIEMENS

Catalog Extract LV 10

Edition 04/2023

SENTRON • SIVACON • ALPHA

Low-Voltage Power Distribution and Electrical Installation Technology

Fuse Systems

siemens.com/lowvoltage

Innovative solutions for industrial controls and power distribution

Reliable components and systems are essential in ensuring smooth power distribution in buildings and industrial plants.

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Catalog LV 10 · 04/2023

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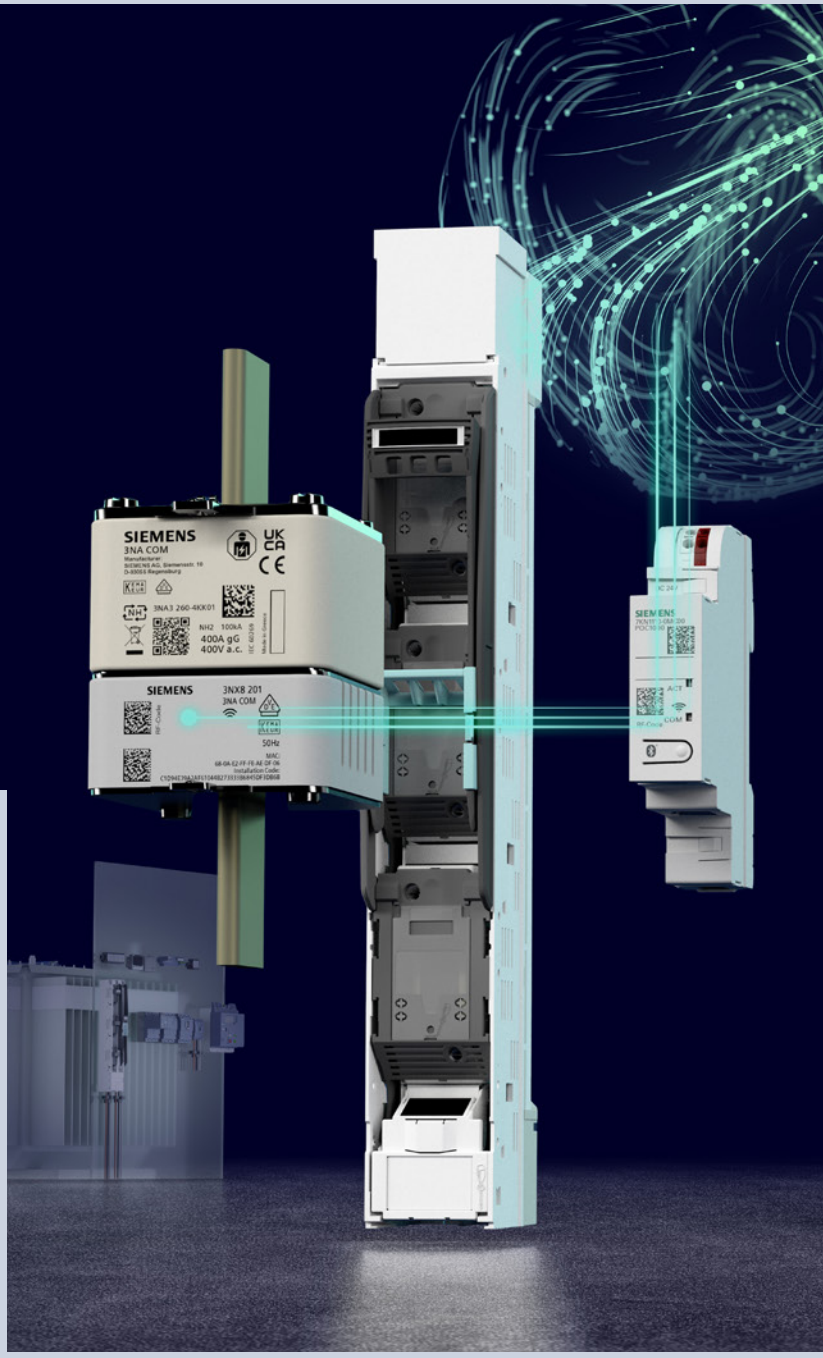
The products and systems described in this catalog are manufactured/distributed under application of a certified quality management system in accordance with EN ISO 9001 (for the Certified Registration Nos., see **www.siemens.com/system-certificates/ep**).
The certificate is recognized by all IQNet countries.

Technical specifications
The technical specifications are for general information purposes only. Always heed the operating instructions and notices on individual products during assembly, operation and maintenance.

All illustrations are not binding.

Low-Voltage Power Distribution and Electrical Installation Technology



Mandatory basic protection in electrical installations

Overcurrents in electrical installations occur as a result of excessive load or short-circuits and can cause serious accidents, fires and financial damage. Appropriate protection devices have therefore been mandatory ever since electricity was first harnessed to power equipment. As a pioneer in fuse systems, we offer you the complete range of devices for the protection of cables as well as electrical devices and installations in the event of overloads and short-circuits.

Fuses are capable of safely switching off circuits as soon as an overload or short-circuit occurs. This prevents damage to electrical equipment or extended power failures. Specific variants of fuse systems are used for different applications.

Among other things, our fuses are used for protecting cables and lines, switching devices and semiconductors as well as in photovoltaics and wind power.

Fuse Systems

A multitude of additional information ...

Information + ordering

All the important things at a glance

For information about fuse systems, please visit our website **www.siemens.com/fuses**

Your product in detail

Comprehensive information is available at **www.siemens.com/lowvoltage/product-support**

- Technology Primer
  - Fuse systems **(109482303)**

The relevant tender specifications can be found at **www.siemens.com/lowvoltage/tenderspecifications**

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- Siemens fuse systems **bit.ly/2kWaepz**

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You will find an overview of your products at

- Fuse systems **sie.ag/2kW3pnU**

Direct forwarding to the individual products in the Industry Mall by clicking on the article number in the catalog or entering this web address incl. article number **www.siemens.com/product_catalog_SIEP?Article No.**

Configurators

The configurator reduces the time and effort required in the planning and ordering process, and allows for individual adaptations. Configure your SITOR semiconductor fuse at **www.siemens.com/lowvoltage/sitor-configurator**

The fast track to the experts

Contact persons in your region

We offer a comprehensive portfolio of services.
You can find your local contacts at **www.siemens.com/lowvoltage/components/contact**

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Competent expert advice on technical questions with a wide range of demand-optimized services for all our products and systems.

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… can be found in our online services

Commissioning + operation

Your product in detail

Detailed technical information is available to you at
www.siemens.com/lowvoltage/product-support

- Operating instructions
- Characteristic curves
- Certificates

Comprehensive mobile support via the Siemens Industry Online Support app available for download from the **App Store** and **Play Store**

Provision of 3D data (step and u3d data formats)

- Siemens Industry Mall
  www.siemens.com/lowvoltage/mall
- Image database
  www.siemens.com/lowvoltage/picturedb

Engineering data for CAD or CAE systems are available in the CAx Download Manager at
www.siemens.com/cax

Manuals

Manuals are available for downloading at
www.siemens.com/lowvoltage/manuals

- Configuration Manual
  – Fuse systems **(45314810)**
- Planning Manual
  – Planning with SIVACON 8PS **(109478425)**
- Installation Manual
  – Circuit protection devices with communication and measuring function **(109791805)**
- System Manual
  – Circuit protection devices with communication and measuring function **(109791806)**

Face-to-face or online training

Our training courses can be found at
www.siemens.com/sitrain-lowvoltage

- SENTRON circuit protection devices with measuring and communication function (WT-LVBCOM)

Technical overview – Fuse systems

The fast way to get you to our online services

This page provides you with comprehensive information and links on fuse systems
www.siemens.com/lowvoltage/product-support (109769085)

System overview

Fuse holders and bases

IEC fuse holders and bases


MINIZED


NEOZED


DIAZED


Bus-mounting bases for busbars


Photovoltaic fuses (LV HRC design)

IEC/UL fuse holders and bases


LV HRC fuses


Cylindrical fuses


SITOR semiconductor fuses (LV HRC design)


SITOR semiconductor fuses (cylindrical fuse design)

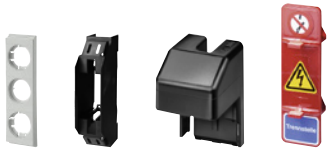

Photovoltaic fuses (cylindrical fuse design)

UL fuse holders and bases


Class CC


Class J

Accessories for fuse holders and bases


Covers


Screw caps


Adapter sleeves


Isolating blades

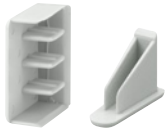

LV HRC signal detectors

Busbars and accessories


Can be cut


Terminals


Touch protection


End caps

Note:
You will find a detailed range of accessories with the basic units.

Fuse links

IEC fuse links

NEOZED

DIAZED

LV HRC

LV HRC
(3NA COM)

Cylindrical fuses

SILIZED

Photovoltaic fuses
(LV HRC design)

Photovoltaic fuses
(cylindrical fuse design)

IEC/UL fuse links

SITOR semiconductor fuses
(LV HRC design)

SITOR semiconductor fuses
(cylindrical fuse design)

UL fuse links

Class CC

Note:
You will find a detailed range of accessories with the basic units.

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Overview of fuse systems according to IEC

Fuse links

Standard	IEC	IEC
Rated current I_n	2 ... 100 A	2 ... 100 A
Rated voltage U_n (AC)	400 V	500 ... 750 V
Rated voltage U_n (DC)	250 V	500 ... 750 V
Design/ application	NEOZED/SILIZED	DIAZED/SILIZED

Selection according to protection task

Cables and conductors, general (gG, gFF)	■	■
Motor protection (aM)	–	–
Power semiconductor (aR, gR, gS)	■	■
Photovoltaic protection (gPV)	–	–
Battery protection (aR, gR, gBAT)	–	–
Type	5SE	5SA, 5SB, 5SC, 5SD
Further information	See page 7/32, 7/34	See page 7/33, 7/34

Fuse holders and bases

For protection tasks

Overview, see page 7/8

	Floor mounting	DIN rail	Busbar	Type	Standard	Further information		
Fuse bases	–	■	■	5SG	IEC	See page 7/12	■	–
	■	■	■	5SF	IEC	See page 7/18	–	■
	■	–	–	3NH	IEC/UL	See page 7/22	–	–
	■	–	–	3NH7	IEC	See page 7/22	–	–
	–	■	■	3NW7	IEC/UL	See page 7/24	–	–
	–	■	–	3NC..	IEC/UL	See page 7/25	–	–
	–	■	–	3NW7...-4	IEC	See page 7/26	–	–

For protection and switching tasks

System overview, see page 8/96, 8/128

	Floor mounting	DIN rail	Busbar	Type	Standard	Further information		
Fuse switch disconnectors	■	■	■	3NP1	IEC/UL	See page 8/96	–	–
	■	–	■	3NP5	IEC/UL	See page 8/98	–	–
	–	■	■	5SG76	IEC	See page 8/114	■	–
	–	–	■	3NJ4	IEC	See page 8/102	–	–
Switch disconnector with fuse	■	■	–	3KF LV HRC	IEC	See page 8/128	–	–
	■	■	–	3KF SITOR	IEC/UL	See page 8/130	–	–
	–	–	■	3NJ63	IEC	See page 8/136	–	–
	–	■	■	5SG71	IEC	See page 8/144	■	–

System overview, page 7/4

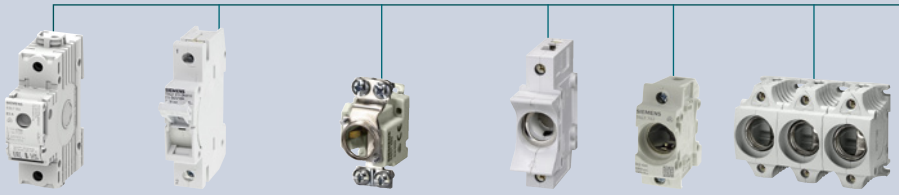
Overview, see page 7/30

						
IEC	IEC	IEC	IEC/UL	IEC/UL	IEC	UL
2 ... 1250 A	80 ... 315 A	0.5 ... 100 A	2 ... 2400 A	1 ... 125 A	2 ... 630 A	0.5 ...30 A
400 ... 690 V	400 V	400 ... 690 V	500 ... 2500 V	600 ... 1500 V	–	600 V
250 ... 400 V	250 V	–	440 ... 3000 V	250 ... 1000 V	1000 ... 1500 V	150 ... 300 V
LV HRC	LV HRC	Cylindrical	SITOR LV HRC	SITOR cylindrical	Photovoltaic	Class CC
■	■	■	–	–	–	■
■	–	■	–	–	–	■
–	–	–	■	■	–	–
–	–	–	–	–	■	–
–	–	–	■	■	–	–
3NA, 3ND	3NA COM	3NW6, 3NW8	3NE, 3NC	3NC10	3NE..., 3NW...	3NW1, 3NW2, 3NW3
See page 7/36	See page 7/50	See page 7/52	See page 7/54	See page 7/75	See page 7/82	See page 7/84
–	–	–	–	–	–	–
–	–	–	–	–	–	–
■	■	–	■	–	–	–
–	–	–	–	–	■	–
–	–	■	–	–	–	■
–	–	–	–	■	–	–
–	–	–	–	–	■	–
■	■	–	■	–	–	–
■	■	–	■	–	–	–
–	–	–	–	–	–	–
■	■	–	–	–	–	–
■	■	–	(■)	–	–	–
–	–	–	■	–	–	–
■	■	–	–	–	–	–
–	–	–	–	–	–	–

System overview, page 7/4

Quick selection guide of fuse holders, bases and D0 fuse switching devices

IEC



			MINIZED switch disconnectors with fuses	MINIZED fuse switch disconnectors	NEOZED fuse bases			NEOZED comfort bases	NEOZED fuse bases	DIAZED fuse bases
Basic data										
Size/for fuses of size			D02	D01	D01	D02	D03	D01, D02	D01, D02	NDz, DII, DIII
Type			5SG71	5SG76	5SG15 5SG55	5SG16 5SG56	5SG18	5SG1301 5SG1701 5SG5301 5SG5701	5SG1302 5SG1702 5SG5302 5SG5702	5SF
Direction of incoming supply			Any	Any	From below			From below	From below	From below
Standards										
Standards			DIN VDE 0638; IEC/EN 60947-3 (VDE 0660-107) IEC/EN 60947-3	DIN VDE 0638; IEC/EN 60947-3 (VDE 0660-107) IEC/EN 60947-3	IEC 60269-3; DIN VDE 0636-3			IEC 60269-3; DIN VDE 0636-3	IEC 60269-3; DIN VDE 0636-3	IEC 60269-3; DIN VDE 0635; DIN VDE 0636-3; CEE 16
Approvals			–	–	–			–	–	–
Certifications			–	–	–			–	–	–
Technical specifications AC										
Rated voltage U_n		V AC	230/400, 240/415	230/400, 240/415	400	400	400	–	–	500, 690, 750
Rated insulation voltage		V AC	500	690	–	–	–	–	–	–
Short-circuit strength		kA AC	50	50	50	50	50	50	50	50
Rated current I_n		A	63	16	16	63	100	16/63	16/63	2 ... 100
Rated impulse withstand voltage		kV AC	6	6	–	–	–	–	–	–
Utilization category	Acc. to VDE 0638	A	AC-22	AC-22	–	–	–	–	–	–
	Acc. to EN 60947-3	A	AC-22B, AC-23B (35A)	AC-22A	–	–	–	–	–	–
Technical specifications DC										
Rated voltage	U_n	V DC	65 (1P), 130 (2P)	48 (1P), 110 (2P)	250	250	250	–	–	500, 600, 750
	U_n acc. to UL	V DC	–	–	–	–	–	–	–	–
Short-circuit strength		kA DC	–	–	8	8	8	8	8	–
Utilization category	Acc. to EN 60947-3	A	DC-22B	–	–	–	–	–	–	–
Further technical specifications										
Overvoltage category			IV	IV	–			–	–	III; II (DIAZED fuse bases made of molded plastic for use at 690 V AC/ 600 V DC)
Max. power dissipation of fuse links (conductor cross-section used)		W	–	–	–			–	–	–
Pollution degree			–	–	–			–	–	–
Further information										
			See page 7/13	See page 7/12	See page 7/16					See page 7/18

[1] Extended rated voltage up to 1000 V

System overview, page 7/4

IEC






Cylindrical fuse holders		LV HRC fuse bases						Fuse bases for photovoltaic fuses	NEOZED bus-mounting bases for 8US 60 mm compact busbar systems	NEOZED bus-mounting bases for 8US 60 mm busbar systems	DIAZED bus-mounting bases for 8US 60 mm busbar systems	
8 × 32 mm	22 × 58 mm	000/ 00	0	1	2	3	4	1	D02	D02	DII	DII
3NW73..	3NW72..	–	–	–	–	–	–	3NH7...-4	5SG6208	5SG6202 5SG6206 5SG6207	5SF6014 5SF6015 5SF6020	5SF6214 5SF6215 5SF6220
Any		Any						Any	From the busbar	From the busbar	From the busbar	
IEC 60269-1, -2, -3; NF C 60-200, NF C 63-210, -211; NBN C 63269-2-1; CEI 32-4, -12; UL 4248-1		IEC 60269-1, -2; EN 60269-1; DIN VDE 0636-2, UL 4248-1 (only downstream from the branch protection)						IEC 60269, IEC 60269-2	IEC 60269-3, DIN VDE 0636-3	IEC 60269-3, DIN VDE 0636-3	IEC 60269-3, DIN VDE 0636-3	IEC 60269-3, DIN VDE 0636-3
UL File number E171267		KEMA; UL file number E171267-IZLT2						–	–	–	–	–
–	–	–						–	–	–	–	–
400	690	690 [1]	690 [1]	690 [1]	690 [1]	690 [1]	690	–	400	400	500	690
–	–	–	–	–	–	–	–	–	–	–	–	–
20	100	–	–	–	–	–	–	–	–	–	–	–
20	100	160	160	250	400	630	1250	160	63	63	25	63
–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–
AC-20B (switching without load)		–	–	–	–	–	–	–	–	–	–	–
–	–	250	440	440	440	440	440	1000	250	250	–	600
–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	25	25	25	25	25	25	–	8	8	8	8
DC-20B (switching without load)		–	–	–	–	–	–	DC-20B (switching without load)	–	–	–	–
–		–	–	–	–	–	–	–	–	–	–	–
–		12	25	32	45	60	90	40	–	–	–	–
–		–	–	–	–	–	–	–	–	–	–	–
See page 7/24		See page 7/22						See page 7/26	See page 7/20			

System overview, page 7/4

Quick selection guide of fuse holders, bases and D0 fuse switching devices

IEC/UL

			LV HRC fuse bases					Fuse holders for SITOR semiconductor fuses (cylindrical fuse design)			
Basic data											
Size/for fuses of size			000/00	0	1	2	3	10 × 38 mm	14 × 51 mm	22 × 58 mm	22 × 127 mm
Type [2]			3NH3030 3NH4030	3NH3120	3NH3220 3NH3230 3NH4230	3NH3320 3NH3330	3NH3420 3NH3430	3NC10	3NC14	3NC22	3NC23
Direction of incoming supply			Any					Any			
Standards											
Standards			IEC 60269-1, -2; EN 60269-1; DIN VDE 0636-2, UL 4248-1 (only downstream from the branch protection)					UL 4248-1; CSA C22.2; IEC 60269-2, IEC 60947-3	UL 4248-1; CSA C22.2; IEC 60269-2, IEC 60947-3	UL 4248-1; CSA C22.2; IEC 60269-2, IEC 60947-3	IEC 60269-2, IEC 60947-3
Approvals			KEMA; UL file number E171267-IZLT2					UL 4248-1; UL File number E171267; CSA C22.2 No. 39-M			–
Certifications			–								–
Technical specifications AC											
Rated voltage	U_n	V AC	690 [1]	690 [1]	690 [1]	690 [1]	690 [1]	690	690	690	1500
	U_n acc. to UL	V AC	690	690	1000	1000	1000	600	600	600	–
	U_n acc. to CSA	V AC	600	600	600	600	600	–	–	–	–
Rated insulation voltage		V AC	–	–	–	–	–	–	–	–	–
Short-circuit strength		kA AC	–	–	–	–	–	50	50 (100 at 400 V)	50 (100 at 500 V)	30
Rated current	I_n	A	160	160	250	400	630	32	50	100	63
	I_n acc. to UL	A	160	160	250	–	500	30	50	80	–
	I_n acc. to CSA	A	160	160	250	–	850	30	40	80	–
Rated impulse withstand voltage		kV AC	–	–	–	–	–	6	6	6	–
Utilization category	Acc. to VDE 0638	A	–	–	–	–	–	–	–	–	–
	Acc. to EN 60947-3	A	–	–	–	–	–	AC-22B (400 V)	AC-22B (400 V)	AC-20B (690 V)	AC-20B
Technical specifications DC											
Rated voltage	U_n	V DC	250	440	440	440	440	800			1000
	U_n acc. to UL	V DC	–	–	–	–	–	–	–	–	–
Short-circuit strength		kA DC	25	25	25	25	25	–	–	–	50
Utilization category	Acc. to EN 60947-3	A	–	–	–	–	–	–	–	–	DC-20B
Further technical specifications											
Overvoltage category			–	–	–	–	–	–	–	–	–
Max. power dissipation of fuse links (conductor cross-section used)		W	12	25	32	45	60	3 (6 mm²), 4.3 (10 mm²)	5 (10 mm²), 6.5 (25 mm²)	9.5 (35 mm²), 11 (50 mm²)	15 (1 … 50 mm²)
Pollution degree			–	–	–	–	–	2	2	2	–
Further information											
			See page 7/22					See page 7/76			

[1] Extended rated voltage up to 1000 V

[2] Types with UL approval and types with CSA approval may differ

System overview, page 7/4

IEC/UL

UL

Cylindrical fuse holders		Cylindrical fuse holders for PV fuses		Class CC fuse holders	Class J fuse holders				
10 × 38 mm	14 × 51 mm	10 x 38 mm	10 x 85 mm	–	–				
3NW70.. 3NW703.-1	3NW71..	3NW70..-4	3NW76..-4	3NW75.3-0HG 3NW753.-1HG	3NW75.3-3HG, 3NW75.3-5HG, 3NW75.3-6HG, 3NW75.3-7HG, 3NW75.3-8HG, 3NW7431-6HG, 3NW7431-7HG, 3NW7431-8HG				
Any		Any		Any	Any				
IEC 60269-1, -2, -3; NF C 60-200, NF C 63-210, -211; NBN C 63269-2-1; CEI 32-4, -12; UL 4248-1		IEC 60269, IEC 60269-2, IEC 60947, UL 4248-1, -18	IEC 60269, IEC 60269-2, IEC 60947, UL 4248-1, -18	UL 4248-1; CSA C22.2	UL 4248-1 Ed.1, UL 4248-8 Ed.1				
UL File number E171267		(File number E469670, CCC) (types without signal detector)	(E355487)	UL 4248-1; UL File number E171267; CSA C22.2	UL File number E171267; CSA File number 233322; Class number 6225-01				
,		–	–	–	,	,	,	,	, Busbar device:
690	690	–	–	–	–	–	–	–	–
600	700	–	–	600	600	600	600	600	600
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
100	100	–	–	200	200	200	200	200	200
32	50	30	32	30	30	60	100	200	400
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	6	–	6	No information as the devices are only tested and certified to UL/CSA and not to IEC				
–	–	–	–	–	–				
AC-20B (switching without load)		–	–	AC-20B (switching without load)	AC-20B (switching without load)				
–	–	1000	1500	300	–	–	–	–	–
–	–	–	–	–	600	600	600	600	600
–	–	–	–	–	–	–	–	–	–
DC-20B (switching without load)		–	–	DC-20B (switching without load)	DC-20B (switching without load)				
–		II	–	II	No information as the devices are only tested and certified to UL/CSA and not to IEC				
–		4	6	3 (6 mm²), 4.3 (10 mm²)	–				
–		2	–	2	No information as the devices are only tested and certified to UL/CSA and not to IEC				
See page 7/24		See page 7/26		See page 7/29	See page 7/28				

System overview, page 7/4

MINIZED fuse switch disconnectors

	Number of poles	1P	1P+N	2P	3P	3P+N
						
Size	I_n					
D01	2 ... 6 A	5SG7611-0KK06	–	–	5SG7631-0KK06	–
	10 A	5SG7611-0KK10	–	–	5SG7631-0KK10	–
	16 A	5SG7611-0KK16	5SG7651-0KK16	5SG7621-0KK16	5SG7631-0KK16	5SG7661-0KK16

Note:
NEOZED adapter sleeves are not required for these devices

7

Accessories

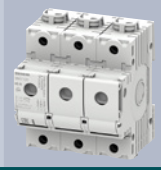
Electronic fuse monitor

- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

U_e AC	I_n	U_c	Article No.
230 V	4 A	3 AC 380 ... 415 V	5TT3170

Quick selection guide, page 7/8

MINIZED switch disconnectors with fuses

Number of poles	1P	1P+N	2P	3P	3P+N
					
Size	**I_n**					
D02	25 A	–	–	–	5SG7133-8BA25 [1]	–
	35 A	–	–	–	5SG7133-8BA35 [1]	–
	50 A	–		–	5SG7133-8BA50 [1]	–
	63 A	5SG7113	5SG7153	5SG7123	5SG7133	5SG7163

[1] Versions for Austria only, with permanently fitted adapter sleeves and incl. fuse link

Note:
NEOZED adapter sleeves are required for these devices, see page 7/16
Use fuse links from 35 A with silver-plated contact caps, see page 7/32

Accessories

Reducers

Use	Article No.
For D01 fuse links in MINIZED switch disconnectors with fuses D02	5SH5527

Auxiliary switches (AS)

Version	Article No.
1 NO + 1 NC	5ST3010
2 NO	5ST3011
2 NC	5ST3012

Auxiliary switches (AS) with TEST button

Version	Article No.
1 NO + 1 NC	5ST3010-2
2 NO	5ST3011-2
2 NC	5ST3012-2

5ST3 COM auxiliary switches and fault signal contacts (AS+FC) with communication and measuring function

- Wireless information about manual ON/OFF, temperature, operating cycles, operating hours, warnings

Article No.
5ST3062-0MC

Electronic fuse monitor

- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

U_e AC	I_n	U_c	Article No.
230 V	4 A	3 AC 380 ... 415 V	5TT3170

Quick selection guide, page 7/8

NEOZED bus-mounting switch disconnectors with fuses

For 8US 60 mm busbar systems

							Size D02		
						Mounting width	1.5 MW	1.5 MW	1.5 MW
									
For flat copper profiles	I_n IEC	UL 508	U_n IEC AC	IEC DC	UL 508	Standard	Without LED signal detector		With LED signal detector
Box terminals									
5 mm and 10 mm	63 A [1]	–	400 V AC	–	–	IEC	5SG7234-1	–	5SG7234-2
	63 A [2]	–	400 V AC	110 V DC	–	IEC	–	5SG7230	–

[1] In the case of permanent load over 35 A, we recommend the use of lateral module 5SH5533. Please observe EN 60439-1, Table 1.
[2] In the case of permanent load over 35 A, we recommend the use of lateral module 5SH5526. Please observe EN 60439-1, Table 1.

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Suitable accessories

Auxiliary switches

- For signaling the switching state for bus-mounting switch disconnectors

Contacts	Mounting width	Article No.	Article No.	Article No.
1 CO	0.5 MW	–	5SH5525	–

Lateral modules

- For greater heat dissipation for loads from 35 A

Mounting width	Article No.	Article No.	Article No.
0.5 MW	5SH5533	5SH5526	5SH5533

Reducers

Use	Article No.	Article No.	Article No.
For NEOZED D01 fuse links in bus-mounting switch disconnectors	5SH5527	5SH5527	5SH5527

Electronic fuse monitor

- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

U_e AC	I_n	U_c	Article No.	Article No.	Article No.
230 V	4 A	3 AC 380 ... 415 V AC	5TT3170	5TT3170	5TT3170

See Busbar systems, **from page 13/1 onwards**

System overview, page 7/4

System overview, page 7/4

NEOZED fuse bases

		Comfort bases made of molded plastic		Fuse bases made of molded plastic			
				Without LED signal detector		With LED signal detector	
Number of poles		1P	3P	1P	3P	1P	3P
							
Size	I_n						
D01	16 A	5SG1301	5SG5301	5SG1302	5SG5302	5SG1302-1	5SG5302-1
D02	63 A	5SG1701	5SG5701	5SG1702	5SG5702	5SG1702-1	5SG5702-1
D03	100 A	–	–	–	–	–	–

Accessories

NEOZED screw caps

	Material	Version	Fuse size	Article No.
	Molded plastic	With inspection hole	D01	5SH4116
			D02	5SH4163
	Ceramic	Without inspection hole, sealable	D01	5SH4316
			D02	5SH4363
		Without inspection hole	D03	5SH4100
		With inspection hole	D01	5SH4317
			D02	5SH4362

NEOZED adapter sleeves

	Fuse size	I_n	Color	Article No.
	D01	2 A	Pink	5SH5002
		4 A	Brown	5SH5004
		6 A	Green	5SH5006
		10/13 A	Red	5SH5010
	D02	20 A	Blue	5SH5020
		25 A	Yellow	5SH5025
		32 A	Violet	5SH5032
		35/40 A	Black	5SH5035
		50 A	White	5SH5050
	D03	80 A	Silver	5SH5080
	D01 fuse links in D02 base or MINIZED switch disconnectors with fuses D02	2 A	Pink	5SH5402
		4 A	Brown	5SH5404
		6 A	Green	5SH5406
		10/13 A	Red	5SH5410
		16 A	Gray	5SH5416

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Quick selection guide, page 7/8

Fuse bases made of ceramic					
With clamp-type terminal, on both sides		With saddle terminal, on both sides		With screw head contact at incoming feeder, clamp-type terminal at outgoing feeder	
1P	3P	1P	3P	1P	3P
					
5SG1553	5SG5553	–	–	–	–
–	–	5SG1653	5SG5653	5SG1693	5SG5693
–	–	–	–	5SG1812	–

NEOZED covers

Fuse size	Article No.
D03	5SH5233

NEOZED adapter sleeve fitters

	Article No.
	5SH5100

NEOZED retaining springs

Use	Article No.
For D01 fuse links in D02 screw caps, 2 ... 16 A	5SH5400

Electronic fuse monitor

- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

U_e AC	I_n	U_c	Article No.
230 V	4 A	3 AC 380 ... 415 V	5TT3170

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Quick selection guide, page 7/8

DIAZED fuse bases

			Fuse bases made of molded plastic With box terminal		Fuse bases made of ceramic With clamp-type terminal, on both sides
		Number of poles	1P	3P	1P
					
Size	**I_n**	**U_n AC/DC**			
DII	25 A	500 V/500 V	5SF1060	5SF5068	5SF1005
DIII	63 A	500 V/500 V	5SF1260 [1]	5SF5268 [1]	–
		750 V/750 V	–	–	–

[1] Can also be used for 690 V AC/600 V DC.

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Accessories

DIAZED screw caps

	Material	Version	Fuse size	Rated voltage AC/DC	Article No.
	Molded plastic	With inspection hole	NDz	500 V/500 V	5SH1112
			DII	500 V/500 V	5SH1221
			DIII	500 V/500 V	5SH1231
	Ceramic	Without inspection hole	DII	500 V/500 V	5SH112
			DIII	500 V/500 V	5SH113
		With inspection hole, sealable	DII	500 V/500 V	5SH122
			DIII	500 V/500 V	5SH123
		Extended version	DIII	690 V/600 V	5SH1170
		With fine thread	DIII	750 V/750 V	5SH1161

DIAZED screw adapters

- Also for 5SF230 up to 750 V

	Fuse size	I_n	Article No.
	DII	2 A	5SH310
		4 A	5SH311
		6 A	5SH312
		10 A	5SH313
		16 A	5SH314
		20 A	5SH315
		25 A	5SH316
	DIII	32 A	5SH327
		35 A	5SH317
		50 A	5SH318
		63 A	5SH320

Quick selection guide, page 7/8

With clamp-type terminal at incoming feeder, saddle terminal at outgoing feeder	With screw head contact, on both sides
1P	1P
	
–	–
5SF1205 [1]	–
–	5SF4230

DIAZED reduction sleeves for screw caps

Use	Article No.
For DII fuse links in DIII base	5SH302

DIAZED screw adapter keys

Use	Article No.
For DII/DIII screw adapters	5SH3703

DIAZED cover rings

Fuse size	Material	Article No.
DII	Molded plastic	5SH3401
DIII	Molded plastic	5SH3411

Electronic fuse monitor

- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

U_e AC	I_n	U_c	Article No.
230 V	4 A	3 AC 380 ... 415 V	5TT3170

Quick selection guide, page 7/8

Bus-mounting bases

For 8US busbar systems

				60 mm compact busbar systems	60 mm busbar systems			
				NEOZED design	NEOZED design		DIAZED design	
			Number of poles	3P	3P		3P	
								
Size	**I_n**	**Mounting width**	**U_n AC/DC**	**With touch protection cover**	**Standard**	**With touch protection cover**	**Standard**	**With touch protection cover**
D02	63 A	1.5 MW	–	–	5SG6202 [1]	5SG6206 [1]	–	–
		2 MW	–	5SG6208	–	5SG6207	–	–
DII	25 A	–	500 V/500 V	–	–	–	5SF6015	5SF6020
DIII	63 A	–	500 V/500 V [2]	–	–	–	5SF6215	5SF6220

[1] From 35 A continuous current load, mount the fuse base with spacing and use a wider cover.
[2] Can also be used for 690 V AC/ 600 V DC

Note:
NEOZED adapter sleeves and DIAZED screw adapters as well as the respective screw caps are required, see page 7/16 and 7/18

Accessories

Covers for bus-mounting base standard version for 60 mm busbar systems

	Design	Fuse size	Version	Mounting width (1 MW = 18 mm)	Article No.
	NEOZED	D02	Standard	1.5 MW	5SH5241
			Extra wide	2 MW	5SH5242
			Double width	3 MW	5SH5243
	DIAZED	DII			5SH2042
		DIII			5SH2242

Electronic fuse monitor

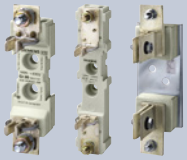
- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

U_e AC	I_n	U_c	Article No.
230 V	4 A	3 AC 380 ... 415 V	5TT3170

See Busbar systems, from page 13/1 onwards

Quick selection guide, page 7/8

LV HRC fuse bases

	Ceramic			
Number of poles	1P			
				
Size	**I_n**	**Flat terminals**	**Plug-in terminal**	**Saddle-type terminal**	**Double busbar terminal**
000/00	160 A	3NH3030	3NH3031	3NH3032	–
0 [1]	160 A	3NH3120	–	–	–
1	250 A	3NH3230	–	–	3NH3220
2	400 A	3NH3330	–	–	3NH3320
3	630 A	3NH3430	–	–	3NH3420
4	1250 A	3NH3530	–	–	–
4a	1250 A	–	–	–	–

[1] No longer to be used for new installations!

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Accessories

LV HRC protective covers for LV HRC fuse bases

- As touch protection for contact pieces

Size	Article No.
000/00	3NX3105
0	3NX3114
1	3NX3106
2	3NX3107
3	3NX3108

LV HRC partitions for LV HRC fuse bases

- As intermediate phase and end barrier

Size	Type	Article No.
000/00	3NH30/3NH40	3NX2023
0	3NH31	3NX2030
1	3NH32	3NX2024
2	3NH33	3NX2025
3	3NH34	3NX2026

LV HRC protective covers

Size	Number of poles	Article No.
000/00	1P and 3P	3NX3115

Grip lug cover for plugging into the LV HRC protective cover

Size	Use	Article No.
000/00	When using fuse links with non-insulated grip lugs	3NX3116

Quick selection guide, page 7/8 and 7/10

		Molded plastic	With swivel device
3P		1P	1P
			
Flat terminals	**Saddle-type terminal**	**Flat terminals**	**Flat terminals**
3NH4030	3NH4032	3NH3051	–
–	–	–	–
3NH4230	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	3NH7520

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Blanking covers for LV HRC fuse bases (instead of LV HRC fuse link)

- Red color
- With inscription "Isolating point"
- Observe width 60 mm of the blank insert when using for size 1

Size	Article No.
000/00	3NX1003
1, 2, 3	3NX1004

Fuse pullers for LV HRC fuse links

Size	Version	Article No.
000 ... 3	Without sleeve	3NX1013
	With sleeve	3NX1014

Isolating blades for LV HRC fuse bases and fuse switch disconnectors

Version	Contacts	Size	Article No.
With insulated grip lugs	Silver-plated	000/00	3NG1002
		0	3NG1102
		1	3NG1202
		2	3NG1302
		3	3NG1402
With non-insulated grip lugs	Tin-coated	4	3NG1503
	Nickel-plated	4a	3NG1505

Quick selection guide, page 7/8 and 7/10

Cylindrical fuse holders

Number of poles		1P	1P+N	2P	3P			3P+N
								
For fuses of size	I_n	**Standard**	**Standard**	**Standard**	**Standard**	**Compact**	**Bus-mounting fuse holders**	**Standard**
Without LED signal detector								
8 × 32 mm	20 A	3NW7313	3NW7353	3NW7323	3NW7333	–	–	3NW7363
10 × 38 mm	30 A	–	–	–	–	–	3NW7431	–
	32 A	3NW7013	3NW7053	3NW7023	3NW7033	3NW7033-1	–	3NW7063
14 × 51 mm	50 A	3NW7111	3NW7151	3NW7121	3NW7131	–	–	3NW7161
22 × 58 mm	100 A	3NW7211	3NW7251	3NW7221	3NW7231	–	–	3NW7261
With LED signal detector								
8 × 32 mm	20 A	3NW7314	3NW7354	3NW7324	3NW7334	–	–	3NW7364
10 × 38 mm	32 A	3NW7014	3NW7054	3NW7024	3NW7034	3NW7034-1	–	3NW7064
14 × 51 mm	50 A	3NW7112	3NW7152	3NW7122	3NW7132	–	–	3NW7162
22 × 58 mm	100 A	3NW7212	3NW7252	3NW7222	3NW7232	–	–	3NW7262

Note:
Semiconductor fuses heat up substantially more than standard fuses of operational classes gG and aM.
We therefore recommend only using SITOR cylindrical fuses in the intended SITOR fuse holders and complying with the maximum permissible current-carrying capacity.

Accessories

Auxiliary switches for cylindrical fuse holders, standard

- For retrofitting using the factory-fitted brackets

Display	Fuse link size	Article No.
Disconnection of fuse link, for striker fuse links only	14 × 51 mm	3NW7901
	22 × 58 mm	3NW7902
Switching state of fuse holder	8 × 32 mm and 10 × 38 mm	3NW7903

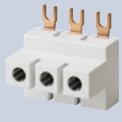
Auxiliary switches for cylindrical fuse holders, compact

In/AC-12	U_n	Contacts	Article No.
5 A	Max. 250 V	1 NO + 1 NC	3NW7903-1

Busbars for cylindrical fuse holders, compact

Number of poles	I_n	Pin spacing	Length	Article No.
2× 3P	63 A	15 mm	45 mm	5ST2601
3× 3P	63 A	15 mm	90 mm	5ST2602
4× 3P	63 A	15 mm	135 mm	5ST2603
5× 3P	63 A	15 mm	180 mm	5ST2604

Terminals for cylindrical fuse holders, compact



Version	Article No.
For conductor cross-sections 2.5 ... 35 mm²	5ST2600

See Busbar systems, from page 13/1 onwards

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Quick selection guide, page 7/8 and 7/10

Fuse holders and bases for SITOR semiconductor fuses

For SITOR fuses with bolt-on links or blade contacts

				Ceramic	Metal
					
I_n	U_n AC/DC	For fuse series	Mounting dimensions		
50 A	690 V	3NC18	75 mm	3NH5723	–
315 A	690 V	3NE87, 3NC26	80 mm	3NH5023	–
400 A	690 V	3NE80..-3MK	80 mm	3NH5323	–
630 A	1800 V	3NE53, 3NE56	170 mm	–	3NH5473
1250 A	1250 V	3NC24, 3NC33..-1U, 3NC34..-1U, 3NC84, 3NE1..-3, NE32, 3NE33	110 mm	–	3NH5463
1600 A	690 V	3NE82..-3MK	80 mm	–	3NH5423

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For cylindrical fuses

	Cylindrical fuse holders, can be used as fuse switch disconnectors			
Number of poles	1P		2P	3P
				
For fuses of size	U_n AC/DC		With signaling switch		
10 × 38 mm	600 V/–	–	–	–	–
	690 V/800 V	3NC1091	–	3NC1092	3NC1093
14 × 51 mm	690 V/800 V	3NC1491	3NC1491-5	3NC1492	3NC1493
22 × 58 mm	690 V/800 V	3NC2291	3NC2291-5	3NC2292	3NC2293
22 × 127 mm	1500 V/1000 V	3NC2391-0MK	–	3NC2392-0MK	3NC2393-0MK

Note:
Please comply with the maximum permissible current-carrying capacity.

Accessories

Fuse tongs

For fuses of size	Article No.
10 × 38 mm 14 × 51 mm 22 × 58 mm	3NC1000

Quick selection guide, page 7/10

Fuse holders and bases for photovoltaic fuses

Cylindrical fuse holders for PV fuses

			Without signal detector			With signal detector	
		Number of poles	1P	1P	2P	1P	2P
							
For fuses of size	**I_n**	**U_n DC**					
10 × 38 mm	30 A	1000 V	3NW7013-4	–	3NW7023-4	3NW7014-4	3NW7024-4
10 × 85 mm	32 A	1500 V	–	3NW7613-4	–	–	–

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Quick selection guide, page 7/10

LV HRC fuse bases for PV fuses

			With flat terminals, ceramic
			
Size	**I_n**	**U_n DC**	
1	250 A	1000 V	3NH3230

Quick selection guide, page 7/10

Class J fuse holders

			For mounting on DIN mounting rail			For screwing onto mounting plate	Bus-mounting fuse holders for 8US 60 mm busbar systems		
Number of poles			1P	2P	3P	3P	3P	3P	3P
									
For fuses of size	I_n	U_n							
21 × 57 mm	30 A	600 V	3NW7511-3HG	3NW7521-3HG	3NW7531-3HG	–	–	–	–
27 × 60 mm	60 A	600 V	3NW7511-5HG	3NW7521-5HG	3NW7531-5HG	–	–	–	–
28 × 118 mm	100 A	600 V	–	–	–	3NW7531-6HG	3NW7431-6HG	–	–
41 × 146 mm	200 A	600 V	–	–	–	3NW7531-7HG	–	3NW7431-7HG	–
54 × 181 mm	400 A	600 V	–	–	–	3NW7531-8HG	–	–	3NW7431-8HG

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Quick selection guide, page 7/10

Class CC fuse holders

		Standard			Compact		Bus-mounting fuse holders for 8US 60 mm busbar systems
Number of poles		1P	2P	3P	3P		3P
							
I_n	U_n				Signal detector without	with	
30 A	600 V	3NW7513-0HG	3NW7523-0HG	3NW7533-0HG	3NW7533-1HG	3NW7534-1HG	3NW7431-0HG

Accessories for standard Class CC fuse holders, see Busbar systems, **from page 13/1 onwards**

Accessories

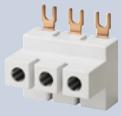
Auxiliary switches for cylindrical fuse holders, compact

In/AC-12	U_n	Contacts	Article No.
5 A	Max. 250 V	1 NO + 1 NC	3NW7903-1

Busbars for Class CC fuse holders, compact

Number of poles	I_n	Pin spacing	Length	Article No.
2× 3P	63 A	15 mm	45 mm	5ST2601
3× 3P	63 A	15 mm	90 mm	5ST2602
4× 3P	63 A	15 mm	135 mm	5ST2603
5× 3P	63 A	15 mm	180 mm	5ST2604

Terminals for Class CC fuse holders, compact



Version	Article No.
For conductor cross-sections 2.5 ... 35 mm²	5ST2600

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Quick selection guide of fuse links

IEC

		NEOZED fuse links	DIAZED fuse links	SILIZED fuse links	LV HRC fuse links	3NA COM LV HRC fuse links [1]
Basic data						
Design		NEOZED	DIAZED	NEOZED, DIAZED	LV HRC	LV HRC
Size/for fuses of size		D01, D02, D03	NDz, DII, DIII	D01, D02, DII, DIII, DIV	000/00, 0, 1, 2, 3, 4, 4a	2
Operational class		gG	gG	gR	gG, aM	gG, gFF
Rated current	A	2 ... 100	2 ... 100	10 ... 100	2 ... 1250	80 ... 315
Standards						
Standard		IEC 60269-3; DIN VDE 0636-3	IEC 60269-3; DIN VDE 0635, DIN VDE 0636-3; CEE 16	IEC 60269-3/-4; DIN VDE 0636-3; EN 60269-4 (VDE 0636-4)	IEC 60269-1/-2; EN 60269-1/-2; DIN VDE 0636-1/-2	IEC 60269-1/-2; EN 60269-1/-2; DIN VDE 0636-1/-2
Approvals		VDE	VDE	–	CSA 22.2, VDE	VDE, KEMA
Technical specifications AC						
Rated voltage AC	V	400	500 ... 750	400 ... 500	400 ... 690 600 (CSA)	400
Rated breaking capacity AC	kA	50	50	50	120	100
Technical specifications DC						
Rated voltage DC	V	250	500 ... 750	250 ... 500	250 ... 440	–
Rated breaking capacity DC	kA	8	8	8	25	–
Further information						
		See page 7/32	See page 7/33	See page 7/34	See page 7/36	See page 7/50

[1] With current measuring function and wireless communication

System overview, page 7/4

IEC			IEC/UL		UL
					
Cylindrical fuse links	**Photovoltaic fuse links, cylindrical fuse design**	**Photovoltaic fuse links, LV HRC design**	**SITOR semiconductor fuse links, LV HRC design (AC/DC) and LV HRC design (DC)**	**SITOR semiconductor fuse links, cylindrical fuse design (AC/DC)**	**Class CC fuse links**
Cylindrical	Cylindrical	LV HRC	LV HRC	Cylindrical	Cylindrical
8 × 32 mm, 10 × 38 mm, 14 × 51 mm, 22 × 58 mm	10 × 38 mm, 10 × 85 mm	1, 1L, 2L, 3L, 1XL, 2XL	000, 00, 1, 2, 3	10 × 38 mm, 14 × 51 mm, 22 × 58 mm	–
gG, aM	gPV	gPV	gS, gR, aR	gS, gR, aR	–
0.5 ...100	2 ... 20	63 ... 630	6 ... 2400	1 ... 125	0.6 ... 30
IEC 60269-1/-2; NF C 60-200, NF C 63-210/-211; NBN C 63269-2; IEC 32-4/-12	IEC 60269-6	IEC 60269-6	IEC 60269-4	IEC 60269-2	–
UL 4248-1, CSA	–	–	UL 4248-1, UL 4248-13	UL 4248-1, UL 4248-13	UL 4248-1; CSA C22.2
400 ... 690 400 ... 600 (UL/CSA)	–	–	500 ... 2500	690 ... 1500 600 ... 1500 (UL/CSA)	600
20 ... 120	–	–	100 ... 150	100	200
–	1000 ... 1500	1000 ... 1500	400 ... 1500	250 ... 1000	150 ... 300
–	30	30	–	–	–
See page 7/52	See page 7/82	See page 7/82	See page 7/54	See page 7/75	See page 7/84

System overview, page 7/4

NEOZED fuse links

Operational class gG

				Size D01	Size D02	Size D03
						
I_n	Identification color	Contacts	U_n AC/DC			
2 A	Pink	–	400 V/250 V	5SE2302	–	–
4 A	Brown	–	400 V/250 V	5SE2304	–	–
6 A	Green	–	400 V/250 V	5SE2306	–	–
10 A	Red	–	400 V/250 V	5SE2310	–	–
13 A	Black	–	400 V/250 V	5SE2013-2A	–	–
16 A	Gray	–	400 V/250 V	5SE2316	–	–
20 A	Blue	Tin-coated	400 V/250 V	–	5SE2320	–
25 A	Yellow	Tin-coated	400 V/250 V	–	5SE2325	–
32 A	Violet	Tin-coated	400 V/250 V	–	5SE2332	–
35 A	Black	Tin-coated	400 V/250 V	–	5SE2335	–
40 A	Black	Silver-plated	400 V/250 V	–	5SE2340	–
50 A	White	Silver-plated	400 V/250 V	–	5SE2350	–
63 A	Copper	Silver-plated	400 V/250 V	–	5SE2363	–
80 A	Blue	–	400 V/250 V	–	–	5SE2280
100 A	Red	–	400 V/250 V	–	–	5SE2300

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DIAZED fuse links

			Size DII E27	Size DIII [1] E33		Size DIV R 1¼"	Size TNDz E16
		Operational class	gG	gG	quick	gG	slow
							
I_n	Identification color	U_n AC/DC					
2 A	Pink	500 V/500 V	5SB211	–	–	–	5SA211
		690 V/600 V	–	5SD8002	–	–	–
		750 V/750 V	–	–	5SD601	–	–
4 A	Brown	500 V/500 V	5SB221	–	–	–	5SA221
		690 V/600 V	–	5SD8004	–	–	–
		750 V/750 V	–	–	5SD602	–	–
6 A	Green	500 V/500 V	5SB231	–	–	–	5SA231
		690 V/600 V	–	5SD8006	–	–	–
		750 V/750 V	–	–	5SD603	–	–
10 A	Red	500 V/500 V	5SB251	–	–	–	5SA251
		690 V/600 V	–	5SD8010	–	–	–
		750 V/750 V	–	–	5SD604	–	–
16 A	Gray	500 V/440 V	5SB2611	–	–	–	5SA2611
		690 V/600 V	–	5SD8016	–	–	–
		750 V/750 V	–	–	5SD605	–	–
20 A	Blue	500 V/440 V	5SB2711	–	–	–	5SA2711
		690 V/600 V	–	5SD8020	–	–	–
		750 V/750 V	–	–	5SD606	–	–
25 A	Yellow	500 V/440 V	5SB2811	–	–	–	5SA2811
		690 V/600 V	–	5SD8025	–	–	–
		750 V/750 V	–	–	5SD607	–	–
32 A	Violet	500 V/440 V	–	5SB4011	–	–	–
35 A	Black	500 V/440 V	–	5SB4111	–	–	–
		690 V/600 V	–	5SD8035	–	–	–
		750 V/750 V	–	–	5SD608	–	–
50 A	White	500 V/440 V	–	5SB4211	–	–	–
		690 V/600 V	–	5SD8050	–	–	–
		750 V/750 V	–	–	5SD610	–	–
63 A	Copper	500 V/440 V	–	5SB4311	–	–	–
		690 V/600 V	–	5SD8063	–	–	–
		750 V/750 V	–	–	5SD611	–	–
80 A	Silver	500 V/400 V	–	–	–	5SC211	–
100 A	Red	500 V/400 V	–	–	–	5SC221	–

[1] For 2 ... 25 A use screw adaptor DII

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Quick selection guide, page 7/30

SILIZED fuse links

Operational class gR

				NEOZED design		DIAZED design		
				Size D01	Size D02	Size DII	Size DIII	Size DIV
								
I_n	Switch-off I^2t value	Power loss P_v	U_n AC/DC					
10 A	73 A^2s	6.9 W	400 V/250 V	5SE1310	–	–	–	–
16 A	60 A^2s	12.1 W	500 V/500 V	–	–	5SD420	–	–
	120 A^2s	6.2 W	400 V/250 V	5SE1316	–	–	–	–
20 A	139 A^2s	12.3 W	500 V/500 V	–	–	5SD430	–	–
	190 A^2s	8.1 W	400 V/250 V	–	5SE1320	–	–	–
25 A	205 A^2s	12.5 W	500 V/500 V	–	–	5SD440	–	–
	215 A^2s	8.2 W	400 V/250 V	–	5SE1325	–	–	–
30 A	310 A^2s	13.5 W	500 V/500 V	–	–	5SD480	–	–
35 A	470 A^2s	16.7 W	400 V/250 V	–	5SE1335	–	–	–
	539 A^2s	14.8 W	500 V/500 V	–	–	–	5SD450	–
50 A	1250 A^2s	18.5 W	500 V/500 V	–	–	–	5SD460	–
	1960 A^2s	12.0 W	400 V/250 V	–	5SE1350	–	–	–
63 A	1890 A^2s	28.0 W	500 V/500 V	–	–	–	5SD470	–
	4230 A^2s	15.5 W	400 V/250 V	–	5SE1363	–	–	–
80 A	4200 A^2s	34.3 W	500 V/500 V	–	–	–	–	5SD510
100 A	8450 A^2s	41.5 W	500 V/500 V	–	–	–	–	5SD520

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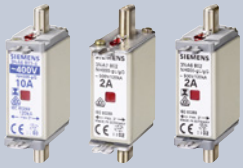
LV HRC fuse links

Operational class gG, with combination alarm

	Size 000	Size 00	Size 1
Mounting width	21 mm	30 mm	30 mm
			

I_n	U_n AC/DC			
Insulated grip lugs				
2 A	500 V/250 V	3NA6802	–	–
	690 V [1]/250 V	3NA6802-6	–	–
4 A	500 V/250 V	3NA6804	–	–
	690 V [1]/250 V	3NA6804-6	–	–
6 A	500 V/250 V	3NA6801	–	–
	690 V [1]/250 V	3NA6801-6	–	–
10 A	400 V/–	3NA6803-4	–	–
	500 V/250 V	3NA6803	–	–
	690 V [1]/250 V	3NA6803-6	–	–
16 A	400 V/–	3NA6805-4	–	–
	500 V/250 V	3NA6805	–	–
	690 V [1]/250 V	3NA6805-6	–	–
	500 V/440 V	–	–	3NA6105
20 A	400 V/–	3NA6807-4	–	–
	500 V/250 V	3NA6807	–	–
	690 V [1]/250 V	3NA6807-6	–	–
	500 V/440 V	–	–	3NA6107
25 A	400 V/–	3NA6810-4	–	–
	500 V/250 V	3NA6810	–	–
	690 V [1]/250 V	3NA6810-6	–	–
	500 V/440 V	–	–	3NA6110
32 A	400 V/–	3NA6812-4	–	3NA6114-4
	500 V/250 V	3NA6812	–	–
	690 V [1]/250 V	3NA6812-6	–	–
35 A	400 V/–	3NA6814-4	–	–
	500 V/250 V	3NA6814	–	–
	690 V [1]/250 V	3NA6814-6	–	–
	500 V/440 V	–	–	3NA6114
40 A	400 V/–	3NA6817-4	–	3NA6117-4
	500 V/250 V	3NA6817	–	–
	690 V [1]/250 V	3NA6817-6KJ	3NA6817-6	–
	500 V/440 V	–	–	3NA6117
50 A	400 V/–	3NA6820-4	–	3NA6120-4
	500 V/250 V	3NA6820	–	–
	690 V [1]/250 V	3NA6820-6KJ	3NA6820-6	–
	500 V/440 V	–	–	3NA6120
	690 V [1]/440 V	–	–	3NA6120-6

[1] Manufacturer's confirmation for 690 V +10% rated voltage available on request.

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Quick selection guide, page 7/30

Size 1	Size 2	Size 2
47.2 mm	47.2 mm	57.8 mm
		
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–	3NA6220-4	–
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–	3NA6220	–
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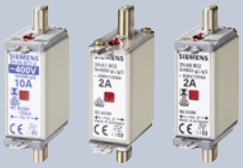
Quick selection guide, page 7/30

LV HRC fuse links

Operational class gG, with combination alarm (continued)

	Size 000	Size 00	Size 1
Mounting width	21 mm	30 mm	30 mm
			

I_n	U_n AC/DC			
Insulated grip lugs				
63 A	400 V/–	3NA6822-4	–	3NA6122-4
	500 V/250 V	3NA6822	–	–
	690 V [1]/250 V	–	3NA6822-6	–
	500 V/440 V	–	–	3NA6122
	690 V [1]/440 V	–	–	3NA6122-6
80 A	400 V/–	3NA6824-4	3NA6824-4KK	3NA6124-4
	500 V/250 V	3NA6824	3NA6824-7	–
	690 V [1]/250 V	–	3NA6824-6	–
	500 V/440 V	–	–	3NA6124
	690 V [1]/440 V	–	–	3NA6124-6
100 A	400 V/–	3NA6830-4	3NA6830-4KK	3NA6130-4
	500 V/250 V	3NA6830	3NA6830-7	–
	690 V [1]/250 V	–	3NA6830-6	–
	500 V/440 V	–	–	3NA6130
	690 V [1]/440 V	–	–	3NA6130-6
125 A	400 V/–	–	3NA6832-4	–
	500 V/250 V	–	3NA6832	–
	500 V/440 V	–	–	3NA6132
	690 V [1]/440 V	–	–	3NA6132-6
160 A	400 V/–	–	3NA6836-4	3NA6136-4
	500 V/250 V	–	3NA6836	–
	500 V/440 V	–	–	3NA6136
	690 V [1]/440 V	–	–	3NA6136-6
200 A	400 V/–	–	–	–
	500 V/440 V	–	–	–
	690 V [1]/440 V	–	–	–
224 A	400 V/–	–	–	–
	500 V/440 V	–	–	–
	690 V [1]/440 V	–	–	–
250 A	400 V/–	–	–	–
	500 V/440 V	–	–	–
	690 V [1]/440 V	–	–	–
300 A	400 V/–	–	–	–
	500 V/440 V	–	–	–
	690 V [1]/440 V	–	–	–
315 A	400 V/–	–	–	–
	500 V/440 V	–	–	–
	690 V [1]/440 V	–	–	–
355 A	400 V/–	–	–	–
	500 V/440 V	–	–	–
400 A	400 V/–	–	–	–
	500 V/440 V	–	–	–

[1] Manufacturer's confirmation for 690 V +10% rated voltage available on request.

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Quick selection guide, page 7/30

Size 1	Size 2	Size 2
47.2 mm	47.2 mm	57.8 mm
		
–	3NA6222-4	–
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–	3NA6222	–
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–	3NA6224-4	–
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–	3NA6224	–
–	3NA6224-6	–
–	3NA6230-4	–
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–	3NA6230	–
–	3NA6230-6	–
–	3NA6232-4	–
–	–	–
–	3NA6232	–
–	3NA6232-6	–
–	3NA6236-4	–
–	–	–
–	3NA6236	–
–	3NA6236-6	–
3NA6140-4	3NA6240-4	–
3NA6140	3NA6240	–
3NA6140-6	3NA6240-6	–
3NA6142-4	3NA6242-4	–
3NA6142	3NA6242	–
–	–	3NA6242-6
3NA6144-4	3NA6244-4	–
3NA6144	3NA6244	–
–	–	3NA6244-6
–	–	3NA6250-4
–	–	3NA6250
–	–	3NA6250-6
–	–	3NA6252-4
–	–	3NA6252
–	–	3NA6252-6
–	–	3NA6254-4
–	–	3NA6254
–	–	3NA6260-4
–	–	–

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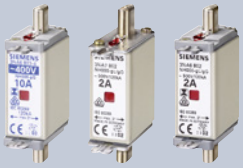
LV HRC fuse links

Operational class gG, with combination alarm

		Size 000	Size 00	Size 1
	Mounting width	21 mm	30 mm	30 mm
				
I_n	U_n AC/DC			
Non-insulated grip lugs				
2 A	500 V/250 V	3NA7802	–	–
	690 V [1]/250 V	3NA7802-6	–	–
4 A	500 V/250 V	3NA7804	–	–
	690 V [1]/250 V	3NA7804-6	–	–
6 A	500 V/250 V	3NA7801	–	–
	690 V [1]/250 V	3NA7801-6	–	–
10 A	500 V/250 V	3NA7803	–	–
	690 V [1]/250 V	3NA7803-6	–	–
16 A	500 V/250 V	3NA7805	–	–
	690 V [1]/250 V	3NA7805-6	–	–
	500 V/440 V	–	–	3NA7105
20 A	500 V/250 V	3NA7807	–	–
	690 V [1]/250 V	3NA7807-6	–	–
	500 V/440 V	–	–	3NA7107
25 A	500 V/250 V	3NA7810	–	–
	690 V [1]/250 V	3NA7810-6	–	–
	500 V/440 V	–	–	3NA7110
32 A	500 V/250 V	3NA7812	–	–
	690 V [1]/250 V	3NA7812-6	–	–
35 A	500 V/250 V	3NA7814	–	–
	690 V [1]/250 V	3NA7814-6	–	–
	500 V/440 V	–	–	3NA7114
40 A	500 V/250 V	3NA7817	–	–
	690 V [1]/250 V	3NA7817-6KJ	3NA7817-6	–
	500 V/440 V	–	–	3NA7117
50 A	500 V/250 V	3NA7820	–	–
	690 V [1]/250 V	3NA7820-6KJ	3NA7820-6	–
	500 V/440 V	–	–	3NA7120
	690 V [1]/440 V	–	–	3NA7120-6
63 A	500 V/250 V	3NA7822	–	–
	690 V [1]/250 V	–	3NA7822-6	–
	500 V/440 V	–	–	3NA7122
	690 V [1]/440 V	–	–	3NA7122-6
80 A	500 V/250 V	3NA7824	3NA7824-7	–
	690 V [1]/250 V	–	3NA7824-6	–
	500 V/440 V	–	–	3NA7124
	690 V [1]/440 V	–	–	3NA7124-6
100 A	500 V/250 V	3NA7830	3NA7830-7	–
	690 V [1]/250 V	–	3NA7830-6	–
	500 V/440 V	–	–	3NA7130
	690 V [1]/440 V	–	–	3NA7130-6
125 A	500 V/250 V	–	3NA7832	–
	500 V/440 V	–	–	3NA7132
	690 V [1]/440 V	–	–	3NA7132-6

[1] Manufacturer's confirmation for 690 V +10% rated voltage available on request.

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Size 1	Size 2	Size 2
47.2 mm	47.2 mm	57.8 mm
		
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–	3NA7220	–
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–	3NA7222	–
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–	3NA7224	–
–	3NA7224-6	–
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–	3NA7230	–
–	3NA7230-6	–
–	–	–
–	3NA7232	–
–	3NA7232-6	–

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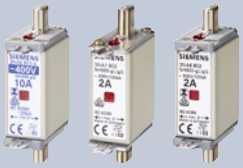
LV HRC fuse links

Operational class gG, with combination alarm (continued)

		Size 000	Size 00	Size 1
Mounting width		21 mm	30 mm	30 mm
				
I_n	U_n AC/DC			
Non-insulated grip lugs				
160 A	500 V/250 V	–	3NA7836	–
	500 V/440 V	–	–	3NA7136
	690 V [1]/440 V	–	–	3NA7136-6
200 A	500 V/440 V	–	–	–
	690 V [1]/440 V	–	–	–
224 A	500 V/440 V	–	–	–
	690 V [1]/440 V	–	–	–
250 A	500 V/440 V	–	–	–
	690 V [1]/440 V	–	–	–
300 A	690 V [1]/440 V	–	–	–
315 A	500 V/440 V	–	–	–
	690 V [1]/440 V	–	–	–
355 A	–	–	–	–
400 A	500 V/440 V	–	–	–

[1] Manufacturer's confirmation for 690 V +10% rated voltage available on request.

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Size 1	Size 2	Size 2
47.2 mm	47.2 mm	57.8 mm
		
–	–	–
–	3NA7236	–
–	3NA7236-6	–
3NA7140	3NA7240	–
3NA7140-6	3NA7240-6	–
3NA7142	3NA7242	–
–	–	3NA7242-6
3NA7144	3NA7244	–
–	–	3NA7244-6
–	–	3NA7250-6
–	–	3NA7252
–	–	3NA7252-6
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–	–	3NA7260

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LV HRC fuse links

Operational class gG, with front indicator

		Size 000	Size 00	Size 0	Size 1	
Mounting width		21 mm	30 mm	30 mm	30 mm	47.2 mm
						
I_n	U_n AC/DC					
Non-insulated grip lugs						
2 A	500 V/250 V	3NA3802	–	–	–	–
	690 V [1]/250 V	3NA3802-6	–	–	–	–
4 A	500 V/250 V	3NA3804	–	–	–	–
	690 V [1]/250 V	3NA3804-6	–	–	–	–
6 A	500 V/250 V	3NA3801	–	–	–	–
	690 V [1]/250 V	3NA3801-6	–	–	–	–
	500 V/440 V	–	–	3NA3001	–	–
10 A	500 V/250 V	3NA3803	–	–	–	–
	690 V [1]/250 V	3NA3803-6	–	–	–	–
	500 V/440 V	–	–	3NA3003	–	–
16 A	500 V/250 V	3NA3805	–	–	–	–
	690 V [1]/250 V	3NA3805-6	–	–	–	–
	500 V/440 V	–	–	3NA3005	3NA3105	–
20 A	500 V/250 V	3NA3807	–	–	–	–
	690 V [1]/250 V	3NA3807-6	–	–	–	–
	500 V/440 V	–	–	3NA3007	3NA3107	–
25 A	500 V/250 V	3NA3810	–	–	–	–
	690 V [1]/250 V	3NA3810-6	–	–	–	–
	500 V/440 V	–	–	3NA3010	3NA3110	–
32 A	500 V/250 V	3NA3812	–	–	–	–
	690 V [1]/250 V	3NA3812-6	–	–	–	–
	500 V/440 V	–	–	3NA3012	–	–
35 A	500 V/250 V	3NA3814	3NA3814-7	–	–	–
	690 V [1]/250 V	–	–	–	–	–
	500 V/440 V	–	–	3NA3014	3NA3114	–
40 A	500 V/250 V	3NA3817	–	–	–	–
	690 V [1]/250 V	3NA3817-6KJ	3NA3817-6	–	–	–
	500 V/440 V	–	–	3NA3017	3NA3117	–
50 A	500 V/250 V	3NA3820	3NA3820-7	–	–	–
	690 V [1]/250 V	3NA3820-6KJ	3NA3820-6	–	–	–
	500 V/440 V	–	–	3NA3020	3NA3120	–
	690 V [1]/440 V	–	–	–	3NA3120-6	–
63 A	500 V/250 V	3NA3822	3NA3822-7	–	–	–
	690 V [1]/250 V	–	3NA3822-6	–	–	–
	500 V/440 V	–	–	3NA3022	3NA3122	–
	690 V [1]/440 V	–	–	–	3NA3122-6	–
80 A	500 V/250 V	3NA3824	3NA3824-7	–	–	–
	690 V [1]/250 V	–	3NA3824-6	–	–	–
	500 V/440 V	–	–	3NA3024	3NA3124	–
	690 V [1]/440 V	–	–	–	3NA3124-6	–
100 A	500 V/250 V	3NA3830	3NA3830-7	–	–	–
	690 V [1]/250 V	–	3NA3830-6	–	–	–
	500 V/440 V	–	–	3NA3030	3NA3130	–
	690 V [1]/440 V	–	–	–	–	–

[1] Manufacturer's confirmation for 690 V +10% rated voltage available on request.

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Size 2		Size 3		Size 4 (IEC design)	Size 4a
47.2 mm	57.8 mm	57.8 mm	71.2 mm	101.8 mm	101.8 mm
					
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3NA3220	–	–	–	–	–
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–	–	–	–	–	–
–	–	–	–	–	–
3NA3224	–	–	–	–	–
3NA3224-6	–	–	–	–	–
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–	–	–	–	–	–
3NA3230	–	–	–	–	–
–	–	–	–	–	–

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LV HRC fuse links

Operational class gG, with front indicator (continued)

		Size 000	Size 00	Size 0	Size 1	
Mounting width		21 mm	30 mm	30 mm	30 mm	47.2 mm
						
I_n	U_n AC/DC					
Non-insulated grip lugs						
125 A	400 V/250 V	3NA3832-8	–	–	–	–
	500 V/250 V	–	3NA3832	–	–	–
	500 V/440 V	–	–	3NA3032	3NA3132	–
	690 V [1]/440 V	–	–	–	3NA3132-6	–
160 A	400 V/250 V	3NA3836-8	–	–	–	–
	500 V/250 V	–	3NA3836	–	–	–
	500 V/440 V	–	–	3NA3036	3NA3136	–
	690 V [1]/440 V	–	–	–	3NA3136-6	–
200 A	500 V/440 V	–	–	–	–	3NA3140
	690 V [1]/440 V	–	–	–	–	3NA3140-6
224 A	500 V/440 V	–	–	–	–	3NA3142
	690 V [1]/440 V	–	–	–	–	–
250 A	500 V/440 V	–	–	–	–	3NA3144
	690 V [1]/440 V	–	–	–	–	3NA3144-6
300 A	500 V/440 V	–	–	–	–	–
	690 V [1]/440 V	–	–	–	–	–
315 A	500 V/440 V	–	–	–	–	–
	690 V [1]/440 V	–	–	–	–	–
355 A	500 V/440 V	–	–	–	–	–
	690 V [1]/440 V	–	–	–	–	–
400 A	500 V/440 V	–	–	–	–	–
	690 V [1]/440 V	–	–	–	–	–
425 A	500 V/440 V	–	–	–	–	–
	690 V [1]/440 V	–	–	–	–	–
500 A	500 V/440 V	–	–	–	–	–
	690 V [1]/440 V	–	–	–	–	–
630 A	500 V/440 V	–	–	–	–	–
800 A	500 V/440 V	–	–	–	–	–
1000 A	500 V/440 V	–	–	–	–	–
1250 A	500 V/440 V	–	–	–	–	–

[1] Manufacturer's confirmation for 690 V +10% rated voltage available on request.

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Size 2		Size 3		Size 4 (IEC design)	Size 4a
47.2 mm	57.8 mm	57.8 mm	71.2 mm	101.8 mm	101.8 mm
					
–	–	–	–	–	–
–	–	–	–	–	–
3NA3232	–	–	–	–	–
3NA3232-6	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
3NA3236	–	–	–	–	–
3NA3236-6	–	–	–	–	–
3NA3240	–	3NA3340	–	–	–
3NA3240-6	–	–	–	–	–
3NA3242	–	3NA3342	–	–	–
–	3NA3242-6	–	–	–	–
3NA3244	–	3NA3344	–	–	–
–	3NA3244-6	3NA3344-6	–	–	–
–	3NA3250	3NA3350	–	–	–
–	3NA3250-6	–	–	–	–
–	3NA3252	3NA3352	–	–	–
–	3NA3252-6	3NA3352-6	–	–	–
–	3NA3254	3NA3354	–	–	–
–	–	–	3NA3354-6	–	–
–	3NA3260	3NA3360	–	–	–
–	–	–	3NA3360-6	–	–
–	–	–	3NA3362	–	–
–	–	–	3NA3362-6	–	–
–	–	–	3NA3365	–	3NA3665
–	–	–	3NA3365-6	–	–
–	–	–	3NA3372	3NA3472	3NA3672
–	–	–	–	3NA3475	3NA3675
–	–	–	–	3NA3480	3NA3680
–	–	–	–	3NA3482	3NA3682

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LV HRC fuse links

Operational class aM, with front indicator

	Size 000	Size 00	Size 1		Size 2		Size 3	
Mounting width	21 mm	30 mm	30 mm	47.2 mm	47.2 mm	57.8 mm	57.8 mm	71.2 mm
								
I_n	**U_n AC**							
Non-insulated grip lugs								
6 A	500 V	3ND1801	–	–	–	–	–	–	–
10 A	500 V	3ND1803	–	–	–	–	–	–	–
16 A	500 V	3ND1805	–	–	–	–	–	–	–
20 A	500 V	3ND1807	–	–	–	–	–	–	–
25 A	500 V	3ND1810	–	–	–	–	–	–	–
32 A	500 V	3ND1812	–	–	–	–	–	–	–
35 A	500 V	3ND1814	–	–	–	–	–	–	–
40 A	500 V	3ND1817	–	–	–	–	–	–	–
50 A	500 V	3ND1820	–	–	–	–	–	–	–
63 A	500 V	3ND1822	–	–	–	–	–	–	–
	690 V	–	–	3ND2122	–	–	–	–	–
80 A	500 V	3ND1824	–	–	–	–	–	–	–
	690 V	–	–	3ND2124	–	–	–	–	–
100 A	500 V	3ND1830-8	3ND1830	–	–	–	–	–	–
	690 V	–	–	3ND2130	–	–	–	–	–
125 A	500 V	–	3ND1832	–	–	–	–	–	–
	690 V	–	–	–	3ND2132	3ND2232	–	–	–
160 A	500 V	–	3ND1836	–	–	–	–	–	–
	690 V	–	–	–	3ND2136	3ND2236	–	–	–
200 A	690 V	–	–	–	3ND2140	3ND2240	–	–	–
250 A	690 V	–	–	–	3ND2144	3ND2244	–	–	–
315 A	690 V	–	–	–	–	–	3ND2252	3ND2352	–
355 A	690 V	–	–	–	–	–	3ND2254	3ND2354	–
400 A	690 V	–	–	–	–	–	3ND2260	3ND2360	–
500 A	690 V	–	–	–	–	–	–	–	3ND1365
630 A	690 V	–	–	–	–	–	–	–	3ND1372

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3NA COM LV HRC fuse links with communication and measuring function

With front indicator and non-insulated grip lugs

	Size 2, with electronic module [1]		Size 2, without electronic module [2]	
	Operational class gG	Operational class gFF (for the Netherlands)	Operational class gG	Operational class gFF (for the Netherlands)
Mounting width	59 mm	59 mm	59 mm	59 mm
				
I_n	U_n AC				
80 A	400 V	–	3NA3224-4KK03	–	3NA3224-4KK04
100 A	400 V	3NA3230-4KK01	3NA3230-4KK03	3NA3230-4KK02	3NA3230-4KK04
125 A	400 V	3NA3232-4KK01	3NA3232-4KK03	3NA3232-4KK02	3NA3232-4KK04
160 A	400 V	3NA3236-4KK01	3NA3236-4KK03	3NA3236-4KK02	3NA3236-4KK04
200 A	400 V	3NA3240-4KK01	3NA3240-4KK03	3NA3240-4KK02	3NA3240-4KK04
224 A	400 V	3NA3242-4KK01	–	3NA3242-4KK02	–
250 A	400 V	3NA3244-4KK01	3NA3244-4KK03	3NA3244-4KK02	3NA3244-4KK04
315 A	400 V	3NA3252-4KK01	–	3NA3252-4KK02	–

[1] Electronic module is mounted by simple insertion
[2] For spare part purposes (electronic module can be reused after the fuse has been replaced!)

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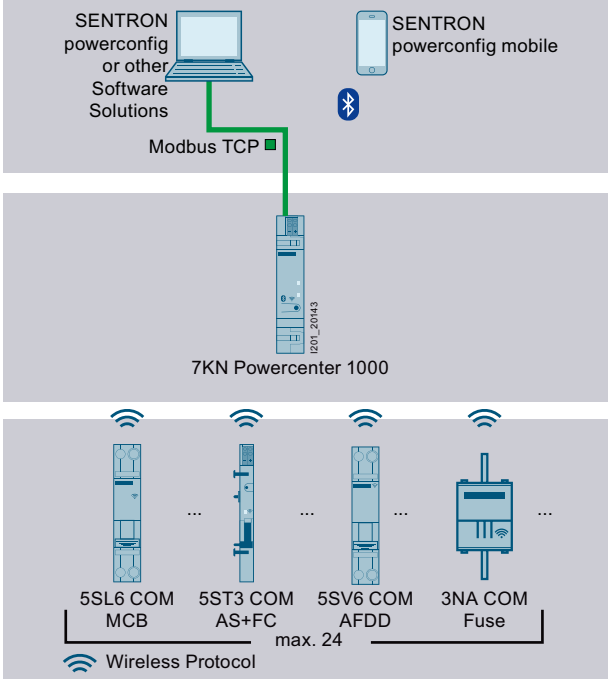
7KN Powercenter 1000 data transceiver



- Wireless radio transmission of measured values and data to the 7KN Powercenter 1000 data transceiver
- Commissioning, parameter assignment, firmware updates and further processing of the data via the 7KN Powercenter 1000 data transceiver

7KN Powercenter 1000	Article No.
	7KN1110-0MC00

See page 10/20

You will find further information at www.siemens.com/lowvoltage/manuals

Installation Manual – Circuit protection devices with communication and measuring function (109791805)

System Manual – Circuit protection devices with communication and measuring function (109791806)

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Measuring functions

- Rms value of the current (average 10 s)
- Temperature (measured in electronic module)

Monitoring functions (alarm) with limit monitoring

- Limit values can be set for:
  - Current/overcurrent > Limit value 1
  - Current/overcurrent > Limit value 2
  - Overtemperature
  - Operating hours counter
  - Operating hours counter with load current > Limit value
  - Values

Technical specifications	Electronic module for 3NA COM
Rated current/current measuring range	400 A/2.5 ... 440 A (rms value)
Measuring accuracy of current measurement/5-minute average of rms value	
• At reference temperature 25 °C	± 1 % (8 A ... 440 A), ± 2 % (2.5 A ... 8 A)
• In the range -10 °C ... +70 °C	± 2.2 % (8 A ... 440 A), ± 3,2 % (2.5 A ... 8 A)
Minimum current (to maintain the radio connection)	2 A for operation, 3.5 A for commissioning
Temperature measuring range	+10 ... +150 °C
Measuring accuracy of temperature measurement	± 2.5 °C
Maximum transmit power	8 dBm
Minimum/maximum ambient temperature during operation	–10 °C/+55 °C
Minimum/maximum ambient temperature during storage	–10 °C/+70 °C
Relative humidity at 25 °C without condensation	Max. 95 %
Degree of protection IP	IP20
Pollution degree	2
Reference condition for measuring accuracy	IEC 61557-12
Measuring method	TRMS
Power supply	CT Harvesting
European standards	
RED Safety	EN 60669-2-5
RED Health	EN 62479
RED EMV	EN 63044-3/-5-3, EN 301489-17, EN 300480-17
RED Radio Spec	EN 300328
International standards	
For EMC	EN 63044-5-3, IEC 61000-6-2, IEC 61000-4-2/-3/-4/-5/-6/-8/-11
For shocks, bumps, free fall, environmental tests	IEC 60068-2-1/-2/-6/-27/-30/-32
Approvals	VDE, KEMA KEUR

Measured values		Measuring interval	Storage time
Current			
Current (rms value)	A	2 s	1 h
Average current (rms value)	A	Adjustable from 3 s ... 2600 s	7 d
Minimum current	A	1 d	10 d
Maximum current	A	No limit	10 d
Temperature			
Temperature	°C	2 s	1 h
Average temperature	°C	Adjustable	7 d
Minimum temperature	°C	1 d	10 d
Maximum temperature	°C	1 d	10 d
Operating hours counter			
Operating hours counter	h	Unlimited	Unlimited
Operating hours counter with load current > Limit value	h	Unlimited	Unlimited

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Cylindrical fuse links

Operational class gG

		Size 8 × 32 mm	Size 10 × 38 mm	Size 14 × 51 mm	Size 22 × 58 mm
					
I_n	U_n AC				
0.5 A	500 V	–	3NW6000-1	–	–
1 A	500 V	–	3NW6011-1	–	–
2 A	400 V	3NW6302-1	–	–	–
	500 V	–	3NW6002-1	–	–
4 A	400 V	3NW6304-1	–	–	–
	500 V	–	3NW6004-1	–	–
	690 V	–	–	3NW6104-1	–
6 A	400 V	3NW6301-1	–	–	–
	500 V	–	3NW6001-1	–	–
	690 V	–	–	3NW6101-1	–
8 A	500 V	–	3NW6008-1	–	–
	690 V	–	–	3NW6108-1	–
10 A	400 V	3NW6303-1	–	–	–
	500 V	–	3NW6003-1	–	–
	690 V	–	–	3NW6103-1	–
12 A	500 V	–	3NW6006-1	–	–
	690 V	–	–	3NW6106-1	–
16 A	400 V	3NW6305-1	–	–	–
	500 V	–	3NW6005-1	–	–
	690 V	–	–	3NW6105-1	3NW6205-1
20 A	400 V	3NW6307-1	–	–	–
	500 V	–	3NW6007-1	–	–
	690 V	–	–	3NW6107-1	3NW6207-1
25 A	500 V	–	3NW6010-1	–	–
	690 V	–	–	3NW6110-1	3NW6210-1
32 A	400 V	–	3NW6012-1	–	–
	690 V	–	–	3NW6112-1	3NW6212-1
40 A	500 V	–	–	3NW6117-1	–
	690 V	–	–	–	3NW6217-1
50 A	500 V	–	–	3NW6120-1	–
	690 V	–	–	–	3NW6220-1
63 A	500 V	–	–	–	3NW6222-1
80 A	500 V	–	–	–	3NW6224-1
100 A	500 V	–	–	–	3NW6230-1

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Operational class aM

		Size 10 × 38 mm	Size 14 × 51 mm	Size 22 × 58 mm
				
I_n	U_n AC			
0.5 A	500 V	3NW8000-1	–	–
1 A	500 V	3NW8011-1	–	–
2 A	500 V	3NW8002-1	–	–
	690 V	–	3NW8102-1	–
4 A	500 V	3NW8004-1	–	–
	690 V	–	3NW8104-1	–
6 A	500 V	3NW8001-1	–	–
	690 V	–	3NW8101-1	–
8 A	500 V	3NW8008-1	–	–
	690 V	–	3NW8108-1	–
10 A	500 V	3NW8003-1	–	–
	690 V	–	3NW8103-1	–
12 A	500 V	3NW8006-1	–	–
	690 V	–	3NW8106-1	–
16 A	500 V	3NW8005-1	3NW8105-1	–
	690 V	–	–	3NW8205-1
20 A	400 V	3NW8007-1	–	–
	500 V	–	3NW8107-1	–
	690 V	–	–	3NW8207-1
25 A	400 V	3NW8010-1	–	–
	500 V	–	3NW8110-1	–
	690 V	–	–	3NW8210-1
32 A	400 V	3NW8012-1	–	–
	500 V	–	3NW8112-1	–
	690 V	–	–	3NW8212-1
40 A	500 V	–	3NW8117-1	–
	690 V	–	–	3NW8217-1
50 A	400 V	–	3NW8120-1	–
	690 V	–	–	3NW8220-1
63 A	500 V	–	–	3NW8222-1
80 A	500 V	–	–	3NW8224-1
100 A	500 V	–	–	3NW8230-1

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SITOR semiconductor fuse links, LV HRC design (AC/DC)

Operational class gS, with blade contacts without slots

					Size 000	Size 00	Size 1	Size 2	Size 3
									
I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC					
16 A	200 A²s	4 W	1.00	690 V [1]	3NE1813-0	–	–	–	–
20 A	430 A²s	5 W	1.00	690 V [1]	3NE1814-0	–	–	–	–
25 A	780 A²s	5 W	1.00	690 V [1]	3NE1815-0	–	–	–	–
35 A	1700 A²s	3.5 W	1.00	690 V [1]	3NE1803-0	–	–	–	–
40 A	3000 A²s	3 W	1.00	690 V [1]	3NE1802-0	–	–	–	–
50 A	4400 A²s	6 W	1.00	690 V [1]	3NE1817-0	–	–	–	–
63 A	9000 A²s	7 W	1.00	690 V [1]	3NE1818-0	–	–	–	–
80 A	18000 A²s	8 W	1.00	690 V [1]	3NE1820-0	–	–	–	–
100 A	33000 A²s	10 W	1.00	690 V [1]	–	3NE1021-0	–	–	–
125 A	63000 A²s	11 W	1.00	690 V [1]	–	3NE1022-0	–	–	–
160 A	60000 A²s	24 W	1.00	690 V [1]	–	–	3NE1224-0	–	–
200 A	100000 A²s	27 W	1.00	690 V [1]	–	–	3NE1225-0	–	–
250 A	200000 A²s	30 W	1.00	690 V [1]	–	–	3NE1227-0	–	–
315 A	310000 A²s	38 W	1.00	690 V [1]	–	–	3NE1230-0	–	–
350 A	430000 A²s	42 W	1.00	690 V [1]	–	–	–	3NE1331-0	–
400 A	590000 A²s	45 W	1.00	690 V [1]	–	–	–	3NE1332-0	–
450 A	750000 A²s	53 W	1.00	690 V [1]	–	–	–	3NE1333-0	–
500 A	950000 A²s	56 W	1.00	690 V [1]	–	–	–	3NE1334-0	–
560 A	1700000 A²s	50 W	1.00	690 V [1]	–	–	–	–	3NE1435-0
630 A	2350000 A²s	55 W	1.00	690 V [1]	–	–	–	–	3NE1436-0
710 A	3400000 A²s	58 W	1.00	690 V [1]	–	–	–	–	3NE1437-0
800 A	5000000 A²s	58 W	1.00	690 V [1]	–	–	–	–	3NE1438-0
Further information									
Installation in 3NH LV HRC fuse bases					■	■	■	■	■
Installation in 3NP and 3KF fuse switching devices					■	■	■	■	■

[1] For the max. DC voltage, see the Configuration Manual – Fuse systems, chapter Configuration, Use with direct current www.siemens.com/lowvoltage/manuals (45314810)

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Operational class gR, with bolt-on links

						Size 000	Size 00
					Screw fixing, mounting dimension	M8, 80 mm	M10, 80 mm
							
I_n	**Switch-off I^2t value**	**Power loss P_v**	**Varying load factor WL**	**U_n AC/DC (IEC)**	**U_n DC (UL)**		
20 A	83 A^2s	7 W	0.90	690 V/600 V	700 V	3NE8714-1	–
25 A	140 A^2s	9 W	0.90	690 V/600 V	700 V	3NE8715-1	–
32 A	285 A^2s	10 W	0.90	690 V/600 V	700 V	3NE8701-1	–
40 A	490 A^2s	12 W	0.90	690 V/600 V	700 V	3NE8702-1	–
50 A	815 A^2s	15 W	0.90	690 V/600 V	700 V	3NE8717-1	–
63 A	1550 A^2s	16 W	0.95	690 V/700 V	700 V	3NE8718-1	–
80 A	3200 A^2s	23 W	on req.	690 V/440 V	–	–	3NE8020-3MK
100 A	5200 A^2s	29 W	on req.	690 V/440 V	–	–	3NE8021-3MK
Further information							
Screw fixing						■	■
Installation in SITOR fuse bases						2× 3NH5023	2× 3NH5023
Further currents, operational class aR						See page 7/60	See page 7/60

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SITOR semiconductor fuse links, LV HRC design (AC/DC)

Operational class gS, with blade contacts without slots

I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC/DC	Size 000	Size 00
6 A	37 A^2s	2.7 W	on req.	690 V/400 V	3NE8810-0MK	–
10 A	50 A^2s	4.5 W	on req.	690 V/400 V	3NE8812-0MK	–
16 A	73 A^2s	6.7 W	on req.	690 V/400 V	3NE8813-0MK	–
20 A	90 A^2s	8 W	on req.	690 V/400 V	3NE8814-0MK	–
25 A	150 A^2s	8.1 W	on req.	690 V/400 V	3NE8815-0MK	–
	180 A^2s	7 W	0.95	690 V [1]/–	–	3NE8015-1
32 A	280 A^2s	12 W	0.90	1000 V [1]/–	–	–
	350 A^2s	10.5 W	on req.	690 V/400 V	3NE8801-0MK	–
35 A	400 A^2s	9 W	0.95	690 V [1]/–	–	3NE8003-1
40 A	480 A^2s	12 W	on req.	690 V/400 V	3NE8802-0MK	–
	500 A^2s	13 W	0.90	1000 V [1]/–	–	–
50 A	700 A^2s	14 W	0.90	690 V [1]/–	–	3NE8017-1
	800 A^2s	16 W	0.90	1000 V [1]/–	–	–
	1050 A^2s	14.5 W	on req.	690 V/400 V	3NE8817-0MK	–
63 A	1400 A^2s	16 W	0.95	690 V [1]/–	–	3NE8018-1
	1960 A^2s	23 W	on req.	690 V/400 V	3NE8818-0MK	–
80 A	5800 A^2s	10.5 W	1.00	690 V [1]/–	–	3NE1020-2
100 A	11000 A^2s	12 W	1.00	690 V [1]/–	–	3NE1021-2
125 A	23000 A^2s	13.5 W	1.00	690 V [1]/–	–	3NE1022-2
160 A	18600 A^2s	32 W	1.00	690 V [1]/–	–	–
200 A	51800 A^2s	35 W	1.00	690 V [1]/–	–	–
250 A	80900 A^2s	37 W	1.00	690 V [1]/–	–	–
315 A	168000 A^2s	40 W	1.00	690 V [1]/–	–	–
350 A	177000 A^2s	43 W	1.00	690 V [1]/–	–	–
400 A	224000 A^2s	50 W	1.00	690 V [1]/–	–	–
450 A	276500 A^2s	58 W	1.00	690 V [1]/–	–	–
500 A	398000 A^2s	64 W	1.00	690 V [1]/–	–	–
560 A	890000 A^2s	60 W	1.00	690 V [1]/–	–	–
630 A	1390000 A^2s	60 W	1.00	690 V [1]/–	–	–
670 A	1640000 A^2s	64 W	1.00	690 V [1]/–	–	–
710 A	1818000 A^2s	72 W	1.00	690 V [1]/–	–	–
	2460000 A^2s	65 W	1.00	690 V [1]/–	–	–
800 A	2475000 A^2s	84 W	1.00	690 V [1]/–	–	–
	3350000 A^2s	72 W	1.00	690 V [1]/–	–	–
850 A	3640000 A^2s	76 W	1.00	690 V [1]/–	–	–
Further information						
Installation in 3NH LV HRC fuse bases					■	■
Installation in 3NP and 3KF fuse switching devices					■	■
Further currents, operational class aR					See page 7/61	–

[1] For the max. DC voltage, see the Configuration Manual – Fuse systems, chapter Configuration, Use with direct current www.siemens.com/lowvoltage/manuals (45314810)

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Size 0	Size 1	Size 2	Size 3	
				
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
3NE4101	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
3NE4102	–	–	–	–
–	–	–	–	–
3NE4117	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	3NE1224-2	–	–	–
–	3NE1225-2	–	–	–
–	3NE1227-2	–	–	–
–	3NE1230-2	–	–	–
–	–	3NE1331-2	–	–
–	–	3NE1332-2	–	–
–	–	3NE1333-2	–	–
–	–	3NE1334-2	–	–
–	–	–	–	3NE1435-2
–	–	–	–	3NE1436-2
–	–	–	–	3NE1447-2
–	–	–	–	3NE1437-2
–	–	–	3NE1437-1	–
–	–	–	–	3NE1438-2
–	–	–	3NE1438-1	–
–	–	–	–	3NE1448-2
■	■	■	■	■
■	■	■	■	■
See page 7/61	–	–	–	–

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SITOR semiconductor fuse links, LV HRC design (AC/DC)

Operational class gR, with slotted blade contacts

	With 2 oblong slots		With oblong and transverse slots	
	Size 3		Size 1	
Screw fixing, mounting dimension (lateral)	M10, 110 mm		M10, 110 mm	
				

I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC/DC				
32 A	4500 A²s	9 W	on req.	1000 V/600 V	–	–	–	3NE3201-0MK
40 A	900 A²s	26 W	on req.	1500 V/1000 V	–	–	–	–
	6000 A²s	13 W	on req.	1000 V/600 V	–	–	–	3NE3202-0MK
50 A	1800 A²s	27 W	on req.	1500 V/1000 V	–	–	–	–
	8000 A²s	18 W	on req.	1000 V/600 V	–	–	–	3NE3217-0MK
63 A	3100 A²s	34 W	on req.	1500 V/1000 V	–	–	–	–
	9000 A²s	25 W	on req.	1000 V/600 V	–	–	–	3NE3218-0MK
150 A	17600 A²s	40 W	0.85	690 V [1]/–	–	3NC8423-0C	–	–
	33000 A²s	35 W	0.85	500 V/–	3NC2423-0C	–	–	–
160 A	18600 A²s	32 W	1.00	690 V [1]/–	–	–	3NE1224-3	–
200 A	38400 A²s	55 W	0.85	690 V [1]/–	–	3NC8425-0C	–	–
	51800 A²s	35 W	1.00	690 V [1]/–	–	–	3NE1225-3	–
	64000 A²s	40 W	0.85	500 V/–	3NC2425-0C	–	–	–
250 A	70400 A²s	72 W	0.85	690 V [1]/–	–	3NC8427-0C	–	–
	80900 A²s	37 W	1.00	690 V [1]/–	–	–	3NE1227-3	–
	99000 A²s	50 W	0.85	500 V/–	3NC2427-0C	–	–	–
300 A	132000 A²s	65 W	0.85	500 V/–	3NC2428-0C	–	–	–
315 A	168000 A²s	40 W	1.00	690 V [1]/–	–	–	3NE1230-3	–
350 A	176000 A²s	95 W	0.85	690 V [1]/–	–	3NC8431-0C	–	–
	177000 A²s	43 W	1.00	690 V [1]/–	–	–	–	–
	249000 A²s	60 W	0.85	500 V/–	3NC2431-0C	–	–	–
400 A	224000 A²s	50 W	1.00	690 V [1]/–	–	–	–	–
450 A	276500 A²s	58 W	1.00	690 V [1]/–	–	–	–	–
500 A	398000 A²s	64 W	1.00	690 V [1]/–	–	–	–	–
	448000 A²s	130 W	0.85	690 V [1]/–	–	3NC8434-0C	–	–
560 A	890000 A²s	60 W	1.00	690 V [1]/–	–	–	–	–
630 A	1390000 A²s	60 W	1.00	690 V [1]/–	–	–	–	–
670 A	1640000 A²s	64 W	1.00	690 V [1]/–	–	–	–	–
710 A	1818000 A²s	72 W	1.00	690 V [1]/–	–	–	–	–
800 A	2475000 A²s	84 W	1.00	690 V [1]/–	–	–	–	–
850 A	3640000 A²s	76 W	1.00	690 V [1]/–	–	–	–	–
1000 A	1400000 A²s	138 W	1.00	690 V [3]/–	–	–	–	–
1100 A	3000000 A²s	110 W	1.00	690 V [3]/–	–	–	–	–
1250 A	4100000 A²s	104 W	1.00	690 V [3]/–	–	–	–	–
1350 A	4800000 A²s	126 W	1.00	690 V [3]/–	–	–	–	–
1400 A	5200000 A²s	127 W	1.00	690 V [3]/–	–	–	–	–
1600 A	6900000 A²s	152 W	1.00	690 V [3]/–	–	–	–	–
1700 A	6400000 A²s	179 W	1.00	690 V [3]/–	–	–	–	–
1700 A	10000000 A²s	143 W	1.00	690 V [3]/–	–	–	–	–
1900 A	8200000 A²s	196 W	1.00	690 V [3]/–	–	–	–	–
Further information								
Screw fixing					■	■	■	■
Installation in SITOR fuse bases					3NH5463	3NH5463	3NH5463	3NH5463
Installation in LV HRC fuse bases					■	■	■	■
Installation in fuse switching devices					■	■	■	■
Further currents, operational class aR					See page 7/64	–	–	–

[1] For the max. DC voltage, see the Configuration Manual – Fuse systems, chapter Configuration, Use with direct current www.siemens.com/lowvoltage/manuals (45314810)
[2] Minimum clearance 90 mm
[3] UL voltage 700 V AC

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Size 2		Size 3			Size 2 × 3	Size 3 × 3
M10, 110 mm	M10, 170 mm	M10, 110 mm		M12, 110 mm	M12, 110 mm [2]	M12, 110 mm [2]
						
–	–	–	–	–	–	–
–	3NE5302-0MK06	–	–	–	–	–
–	–	–	–	–	–	–
–	3NE5317-0MK06	–	–	–	–	–
–	–	–	–	–	–	–
–	3NE5318-0MK06	–	–	–	–	–
–	–	–	–	–	–	–
–	–	–	3NC8423-3C	–	–	–
–	–	3NC2423-3C	–	–	–	–
–	–	–	–	–	–	–
–	–	–	3NC8425-3C	–	–	–
–	–	–	–	–	–	–
–	–	3NC2425-3C	–	–	–	–
–	–	–	3NC8427-3C	–	–	–
–	–	–	–	–	–	–
–	–	3NC2427-3C	–	–	–	–
–	–	3NC2428-3C	–	–	–	–
–	–	–	–	–	–	–
–	–	–	3NC8431-3C	–	–	–
3NE1331-3	–	–	–	–	–	–
–	–	3NC2431-3C	–	–	–	–
3NE1332-3	–	–	–	–	–	–
3NE1333-3	–	–	–	–	–	–
3NE1334-3	–	–	–	–	–	–
–	–	–	3NC8434-3C	–	–	–
–	–	–	–	3NE1435-3	–	–
–	–	–	–	3NE1436-3	–	–
–	–	–	–	3NE1447-3	–	–
–	–	–	–	3NE1437-3	–	–
–	–	–	–	3NE1438-3	–	–
–	–	–	–	3NE1448-3	–	–
–	–	–	–	–	3NB3350-1KK26	–
–	–	–	–	–	3NB3351-1KK26	–
–	–	–	–	–	3NB3352-1KK26	–
–	–	–	–	–	3NB3354-1KK26	–
–	–	–	–	–	3NB3355-1KK26	–
–	–	–	–	–	3NB3357-1KK26	–
–	–	–	–	–	–	3NB3358-1KK27
–	–	–	–	–	3NB3358-1KK26	–
–	–	–	–	–	–	3NB3362-1KK27
■	■	■	■	■	■	■
3NH5463	3NH5473	3NH5463	3NH5463	3NH5463	–	–
■	■	■	■	■	–	–
■	■	■	■	■	–	–
–	–	See page 7/64	See page 7/64	See page 7/64	–	–

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SITOR semiconductor fuse links, LV HRC design (AC/DC)

Operational class aR, with bolt-on links

						Size 000	
					Screw fixing, mounting dimension	M8, 80 mm	M10, 80 mm
							
I_n	**Switch-off I^2t value**	**Power loss P_v**	**Varying load factor WL**	**U_n AC/DC (IEC)**	**U_n DC (UL)**		
80 A	2700 A^2s	18 W	0.90	690 V/600 V	700 V	3NE8720-1	–
100 A	4950 A^2s	19 W	0.95	690 V/600 V	700 V	3NE8721-1	–
125 A	9100 A^2s	23 W	0.95	690 V/600 V	700 V	3NE8722-1	–
160 A	17000 A^2s	31 W	0.90	690 V/600 V	700 V	3NE8724-1	–
200 A	30000 A^2s	36 W	0.90	690 V/600 V	700 V	3NE8725-1	–
250 A	55000 A^2s	42 W	0.90	690 V/600 V	700 V	3NE8727-1	–
315 A	85500 A^2s	54 W	0.85	690 V/600 V	700 V	3NE8731-1	–
350 A	135000 A^2s	58.8 W	on req.	690 V/440 V	–	–	3NE8031-3MK
400 A	170000 A^2s	74.5 W	on req.	690 V/440 V	–	–	3NE8032-3MK
Further information							
Screw fixing						■	■
Installation in SITOR fuse bases						3NH5023	3NH5023
Further currents, operational class gR						See page 7/55	See page 7/55

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Operational class aR, with blade contacts without slots

					Size 000	Size 00	Size 0	Size 1	Size 2
									
I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC/DC					
63 A	1500 A²s	20 W	0.90	1000 V [1]/–	–	–	3NE4118	–	–
80 A	2200 A²s	23.3 W	on req.	690 V/440 V	3NE8820-0MK	–	–	–	–
	2400 A²s	19 W	0.95	690 V [1]/–	–	3NE8020-1	–	–	–
	3000 A²s	22 W	0.90	1000 V [1]/–	–	–	3NE4120	–	–
100 A	3650 A²s	27 W	on req.	690 V/440 V	3NE8821-0MK	–	–	–	–
	6050 A²s	25.5 W	on req.	690 V/440 V	–	–	–	3NE8221-0MK	–
	4200 A²s	22 W	0.95	690 V [1]/–	–	3NE8021-1	–	–	–
	6000 A²s	24 W	0.90	1000 V [1]/–	–	–	3NE4121	–	–
125 A	7800 A²s	30 W	on req.	690 V/440 V	3NE8822-0MK	–	–	–	–
	8900 A²s	28.5 W	on req.	690 V/440 V	–	–	–	3NE8222-0MK	–
	6500 A²s	28 W	0.95	690 V [1]/–	–	3NE8022-1	–	–	–
	14000 A²s	30 W	0.90	1000 V [1]/–	–	–	3NE4122	–	–
160 A	14000 A²s	34 W	on req.	500 V/440 V	3NE8824-0MK	–	–	–	–
	16200 A²s	37 W	on req.	690 V/440 V	–	–	–	3NE8224-0MK	–
	13000 A²s	38 W	0.95	690 V [1]/–	–	3NE8024-1	–	–	–
	29000 A²s	35 W	0.90	1000 V [1]/–	–	–	3NE4124	–	–
200 A	26000 A²s	49 W	on req.	690 V/440 V	–	–	–	3NE8225-0MK	–
250 A	59000 A²s	52 W	on req.	690 V/440 V	–	–	–	3NE8227-0MK	–
315 A	120000 A²s	68 W	on req.	690 V/440 V	–	–	–	3NE8230-0MK	–
350 A	83500 A²s	68.6 W	on req.	690 V/440 V	–	–	–	–	3NE8331-0MK
400 A	136000 A²s	72.8 W	on req.	690 V/440 V	–	–	–	–	3NE8332-0MK
450 A	207000 A²s	80.1 W	on req.	690 V/440 V	–	–	–	–	3NE8333-0MK
500 A	318000 A²s	77.5 W	on req.	690 V/440 V	–	–	–	–	3NE8334-0MK
550 A	399000 A²s	86.4 W	on req.	690 V/440 V	–	–	–	–	3NE8335-0MK
630 A	740000 A²s	90.7 W	on req.	690 V/440 V	–	–	–	–	3NE8336-0MK
Further information									
Installation in 3NH LV HRC fuse bases					■	■	■	■	■
Installation in 3NP and 3KF fuse switching devices					■	■	■	■	■
Further currents, operational class gR					See page 7/56	–	See page 7/56	–	–

[1] For the max. DC voltage, see the Configuration Manual – Fuse systems, chapter Configuration, Use with direct current www.siemens.com/lowvoltage/manuals (45314810)

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SITOR semiconductor fuse links, LV HRC design (AC/DC)

Operational class aR, with slotted blade contacts

					With 2 oblong slots Size 3	With oblong and transverse slots Size 1	
				Screw fixing, mounting dimension	M10, 110 mm	M8, 80 mm	M10, 110 mm
							
I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC/DC			
80 A	3900 A²s	42 W	on req.	1500 V/1000 V	–	–	–
100 A	4800 A²s	28 W	0.95	1000 V [1]/–	–	–	3NE3221
	3200 A²s	25 W	on req.	690 V/440 V	–	3NE8221-3MK	–
	8700 A²s	45 W	on req.	1500 V/1000 V	–	–	–
125 A	7200 A²s	36 W	0.95	1000 V [1]/–	–	–	3NE3222
	6000 A²s	28 W	on req.	690 V/440 V	–	3NE8222-3MK	–
	11800 A²s	59 W	on req.	1500 V/1000 V	–	–	–
160 A	13000 A²s	42 W	1.00	1000 V [1]/–	–	–	3NE3224
	10500 A²s	35 W	on req.	690 V/440 V	–	3NE8224-3MK	–
	37000 A²s	54 W	on req.	1500 V/1000 V	–	–	–
200 A	30000 A²s	42 W	1.00	1000 V [1]/–	–	–	3NE3225
	17500 A²s	42 W	on req.	690 V/440 V	–	3NE8225-3MK	–
	70000 A²s	56 W	on req.	1500 V/1000 V	–	–	–
250 A	29700 A²s	105 W	0.85	800 V [1]/–	–	–	–
	48000 A²s	50 W	1.00	1000 V [1]/–	–	–	3NE3227
	28500 A²s	53.5 W	on req.	690 V/440 V	–	3NE8227-3MK	–
	165000 A²s	59 W	on req.	1500 V/1000 V	–	–	–
315 A	60700 A²s	120 W	0.85	800 V [1]/–	–	–	–
	80000 A²s	60 W	0.95	1000 V [1]/–	–	–	3NE3230-0B
	300000 A²s	245 W	on req.	–/3000 V	–	–	–
	53500 A²s	61 W	on req.	690 V/440 V	–	3NE8230-3MK	–
	250000 A²s	76 W	on req.	1500 V/1000 V	–	–	–
350 A	100000 A²s	75 W	0.95	1000 V [1]/–	–	–	3NE3231
	66000 A²s	69 W	on req.	690 V/440 V	–	3NE8231-3MK	–
400 A	390000 A²s	50 W	0.85	500 V [1]/–	3NC2432-0C	–	–
	135000 A²s	80 W	1.00	1000 V [1]/–	–	–	–
		85 W	0.90	1000 V [1]/–	–	–	3NE3232-0B
	110000 A²s	70.5 W	on req.	690 V/440 V	–	3NE8232-3MK	–
	470000 A²s	89 W	on req.	1500 V/1000 V	–	–	–
450 A	191000 A²s	140 W	0.85	800 V [1]/–	–	–	–
	175000 A²s	90 W	1.00	1000 V [1]/–	–	–	–
		95 W	0.90	1000 V [1]/–	–	–	3NE3233
	180000 A²s	71 W	on req.	690 V/440 V	–	3NE8233-3MK	–
500 A	276000 A²s	155 W	0.85	800 V [1]/–	–	–	–
	260000 A²s	90 W	1.00	1000 V [1]/–	–	–	–
	215000 A²s	84 W	on req.	690 V/440 V	–	3NE8234-3MK	–
	500000 A²s	105 W	on req.	1000 V/600 V	–	–	–3NE3234-0MK08
	800000 A²s	109 W	on req.	1500 V/1000 V	–	–	–
550 A	290000 A²s	87 W	on req.	690 V/440 V	–	3NE8235-3MK	–
	700000 A²s	110 W	on req.	1000 V/600 V	–	–	3NE3235-0MK08
560 A	360000 A²s	95 W	1.00	1000 V [1]/–	–	–	–
630 A	600000 A²s	100 W	1.00	1000 V [1]/–	–	–	–
	440000 A²s	96 W	on req.	690 V/440 V	–	3NE8236-3MK	–
	850000 A²s	127 W	on req.	1000 V/600 V	–	–	3NE3236-0MK08
	1100000 A²s	163 W	on req.	1500 V/1000 V	–	–	–
710 A	923000 A²s	155 W	0.95	800 V [1]/–	–	–	–
	800000 A²s	105 W	1.00	900 V [1]/–	–	–	–
800 A	850000 A²s	130 W	0.95	800 V [1]/–	–	–	–
900 A	920000 A²s	165 W	0.95	690 V [1]/–	–	–	–
Further information							
Screw fixing					■	■	■
Installation in SITOR fuse bases					3NH5463	3NH5423	3NH5463
Installation in 3NH3 LV HRC fuse bases					■	–	■
Installation in 3NP and 3KF fuse switching devices					■	–	■
Further currents, operational class gR					See page 7/50	–	–

[1] For the max. DC voltage, see the Configuration Manual – Fuse systems, chapter Configuration, Use with direct current www.siemens.com/lowvoltage/manuals (45314810)

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Size 2			
M10, 110 mm	M10, 170 mm	M10, 190 mm	M12, 260 mm
			
–	3NE5320-0MK06	–	–
–	–	–	–
–	–	–	–
–	3NE5321-0MK06	–	–
–	–	–	–
–	–	–	–
–	3NE5322-0MK06	–	–
–	–	–	–
–	–	–	–
–	3NE5324-0MK06	–	–
–	–	–	–
–	–	–	–
–	3NE5325-0MK06	–	–
3NE4327-0B	–	–	–
–	–	–	–
–	–	–	–
–	3NE5327-0MK06	–	–
3NE4330-0B	–	–	–
–	–	–	–
–	–	–	3NE9330-0MK07
–	–	–	–
–	3NE5330-0MK06	–	–
–	–	–	–
–	–	–	–
–	–	–	–
3NE3332-0B	–	–	–
–	–	–	–
–	–	–	–
–	3NE5332-0MK06	–	–
3NE4333-0B	–	–	–
3NE3333	–	–	–
–	–	–	–
–	–	–	–
3NE4334-0B	–	–	–
3NE3334-0B	–	–	–
–	–	–	–
–	–	–	–
–	3NE5334-0MK06	–	–
–	–	–	–
–	–	–	–
3NE3335	–	–	–
3NE3336	–	–	–
–	–	–	–
–	–	–	–
–	3NE5336-0MK06	3NE5336-0MK66	–
3NE4337	–	–	–
3NE3337-8	–	–	–
3NE3338-8	–	–	–
3NE3340-8	–	–	–
■	■	■	■
3NH5463	3NH5473	3NH5473	–
■	–	–	–
■	–	–	–
–	See page 7/50	–	–

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SITOR semiconductor fuse links, LV HRC design (AC/DC)

Operational class aR, with slotted blade contacts

					With oblong and transverse slots Size 3			
				Screw fixing, mounting dimension	M10, 110 mm	M10, 130 mm	M10, 170 mm	M10, 210 mm
								
I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC [1]				
100 A	13500 A²s	25 W	1.00	1000 V	–	3NE3421-0C	–	–
125 A	34500 A²s	78 W	1.00	2500 V	–	–	–	–
160 A	54000 A²s	56 W	1.00	1500 V	–	–	–	3NE5424-0C
200 A	138000 A²s	75 W	1.00	2000 V	–	–	–	3NE7425-0U
224 A	54000 A²s	85 W	1.00	1000 V	–	3NE3626-0C	–	–
	138000 A²s	80 W	1.00	1500 V	–	–	–	3NE5426-0C
250 A	84000 A²s	130 W	1.00	1500 V	–	–	3NE5627-0C	–
	218000 A²s	110 W	1.00	2000 V	–	–	–	3NE7427-0U
315 A	218000 A²s	80 W	1.00	1000 V	–	3NE3430-0C	–	–
	72500 A²s	80 W	0.95	1250 V	–	–	–	–
	311000 A²s	115 W	1.00	1500 V	–	–	–	3NE5430-0C
350 A	428000 A²s	135 W	1.00	1500 V	–	–	–	3NE5431-0C
	555000 A²s	120 W	1.00	2000 V	–	–	–	3NE7431-0U
400 A	390000 A²s	50 W	0.85	500 V	3NC2432-3C	–	–	–
	364000 A²s	110 W	1.00	1000 V	–	3NE3432-0C	–	–
	163000 A²s	95 W	0.95	1250 V	–	–	–	–
	620000 A²s	205 W	1.00	2500 V	–	–	–	–
	870000 A²s	150 W	1.00	2000 V	–	–	–	3NE7432-0U
450 A	488000 A²s	110 W	1.00	1000 V	–	3NE3635-0C	–	–
	590000 A²s	160 W	1.00	1500 V	–	–	3NE5633-0C	–
	870000 A²s	145 W	0.95	1500 V	–	–	–	3NE5433-0C
	960000 A²s	160 W	1.00	2000 V	–	–	–	3NE7633-0U
500 A	870000 A²s	95 W	1.00	1000 V	–	3NE3434-0C	–	–
	290000 A²s	115 W	0.90	1250 V	–	–	–	–
	1270000 A²s	235 W	1.00	2500 V	–	–	–	–
525 A	1120000 A²s	210 W	1.00	2000 V	–	–	–	–
600 A	1950000 A²s	145 W	1.00	1500 V	–	–	3NE5643-0C	–
630 A	244000 A²s	120 W	0.85	690 V	–	–	–	–
	418000 A²s	145 W	0.85	1000 V	–	–	–	–
	1280000 A²s	132 W	1.00	1000 V	–	3NE3636-0C	–	–
	650000 A²s	120 W	0.95	1250 V	–	–	–	–
	1950000 A²s	220 W	1.00	2000 V	–	–	–	3NE7636-0U
	2800000 A²s	275 W	1.00	2500 V	–	–	–	–
710 A	346000 A²s	130 W	0.85	690 V	–	–	–	–
	569000 A²s	150 W	0.85	1000 V	–	–	–	–
	1950000 A²s	145 W	1.00	1000 V	–	3NE3637-0C	–	–
	3110000 A²s	275 W	1.00	2000 V	–	–	–	–
800 A	498000 A²s	135 W	0.90	690 V	–	–	–	–
	819000 A²s	155 W	0.85	1000 V	–	–	–	–
	985000 A²s	145 W	0.90	1100 V	–	–	–	–
900 A	677000 A²s	145 W	0.90	690 V	–	–	–	–
	1160000 A²s	165 W	0.90	1000 V	–	–	–	–
1000 A	2480000 A²s	140 W	0.85	600 V	3NC8444-3C	–	–	–
	975000 A²s	155 W	0.95	690 V	–	–	–	–
	1670000 A²s	170 W	0.90	1000 V	–	–	–	–
1100 A	1382000 A²s	165 W	0.95	690 V	–	–	–	–
	1910000 A²s	185 W	0.90	800 V	–	–	–	–
1250 A	1990000 A²s	175 W	0.95	690 V	–	–	–	–
	2600000 A²s	210 W	0.90	800 V	–	–	–	–
1400 A	2100000 A²s	200 W	0.95	500 V	–	–	–	–
1600 A	2860000 A²s	240 W	0.90	500 V	–	–	–	–
Further information								
Screw fixing					■	■	■	■
Installation in SITOR fuse bases					3NH5463	–	3NH5473	–
Installation in 3NH LV HRC fuse bases					■	–	–	–
Installation in 3NP and 3KF fuse switching devices					■	–	–	–
Further currents, operational class gR					See page 7/58	–	–	–

[1] For the max. DC voltage, see the Configuration Manual – Fuse systems, chapter Configuration, Use with direct current www.siemens.com/lowvoltage/manuals (45314810)

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M12, 80 mm	M12, 110 mm	M12, 140 mm	M12, 210 mm	M12, 260 mm
				
–	–	–	–	–
–	–	–	–	3NE9622-1C
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	3NC3430-1U	–	–	–
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	3NC3432-1U	–	–	–
–	–	–	–	3NE9632-1C
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
–	–	–	3NE5433-1C	–
–	–	–	3NE7633-1U	–
–	–	–	–	–
–	3NC3434-1U	–	–	–
–	–	–	–	3NE9634-1C
–	–	–	3NE7648-1U	–
–	–	–	–	–
3NC3236-1U	–	–	–	–
–	3NC3336-1U	–	–	–
–	–	–	–	–
–	3NC3436-1U	–	–	–
–	–	–	3NE7636-1U	–
–	–	–	–	3NE9636-1C
3NC3237-1U	–	–	–	–
–	3NC3337-1U	–	–	–
–	–	3NE3637-1C	–	–
–	–	–	3NE7637-1U	–
3NC3238-1U	–	–	–	–
–	3NC3338-1U	–	–	–
–	3NC3438-1U	–	–	–
3NC3240-1U	–	–	–	–
–	3NC3340-1U	–	–	–
–	–	–	–	–
3NC3241-1U	–	–	–	–
–	3NC3341-1U	–	–	–
3NC3242-1U	–	–	–	–
–	3NC3342-1U	–	–	–
3NC3243-1U	–	–	–	–
–	3NC3343-1U	–	–	–
3NC3244-1U	–	–	–	–
3NC3245-1U	–	–	–	–
■	■	■	■	■
–	3NH5463	–	–	–
–	■	–	–	–
–	■	–	–	–
–	–	–	–	–

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SITOR semiconductor fuse links, LV HRC design (AC/DC)

Operational class aR, with female thread at both ends

					Size 3	
				Screw fixing, flange dimension	M10, 109 mm	M12, 52 mm
						
I_n	**Switch-off I^2t value**	**Power loss P_v**	**Varying load factor WL**	**U_n AC [1]**		
315 A	72500 A²s	80 W	0.95	1250 V	–	–
400 A	163000 A²s	95 W	0.95	1250 V	–	–
450 A	488000 A²s	110 W	1.00	1000 V	3NE3635-6	–
500 A	290000 A²s	115 W	0.90	1250 V	–	–
630 A	244000 A²s	125 W	0.90	690 V	–	3NC3236-6U
	418000 A²s	130 W	0.90	1000 V	–	–
	650000 A²s	120 W	0.95	1250 V	–	–
710 A	346000 A²s	130 W	0.90	690 V	–	3NC3237-6U
	569000 A²s	140 W	0.90	1000 V	–	–
800 A	498000 A²s	135 W	0.95	690 V	–	3NC3238-6U
	819000 A²s	150 W	0.90	1000 V	–	–
	985000 A²s	145 W	0.95	1100 V	–	–
900 A	677000 A²s	140 W	0.95	690 V	–	3NC3240-6U
	1160000 A²s	160 W	0.95	1000 V	–	–
1000 A	975000 A²s	145 W	1.00	690 V	–	3NC3241-6U
	1670000 A²s	165 W	0.95	1000 V	–	–
1100 A	1382000 A²s	150 W	1.00	690 V	–	3NC3242-6U
	1910000 A²s	175 W	0.95	800 V	–	–
1250 A	1990000 A²s	155 W	1.00	690 V	–	3NC3243-6U
	2600000 A²s	185 W	0.95	800 V	–	–
1400 A	2100000 A²s	175 W	1.00	500 V	–	3NC3244-6U
1600 A	2860000 A²s	195 W	0.95	500 V	–	3NC3245-6U
Further information						
Screw fixing					■	■

[1] For the max. DC voltage, see the Configuration Manual – Fuse systems, chapter Configuration, Use with direct current www.siemens.com/lowvoltage/manuals (45314810)

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M12, 73 mm	M12, 73 mm
	
–	3NC3430-6U
–	3NC3432-6U
–	–
–	3NC3434-6U
–	–
3NC3336-6U	–
–	3NC3436-6U
–	–
3NC3337-6U	–
–	–
3NC3338-6U	–
–	3NC3438-6U
–	–
3NC3340-6U	–
–	–
3NC3341-6U	–
–	–
3NC3342-6U	–
–	–
3NC3343-6U	–
–	–
–	–
■	■

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SITOR semiconductor fuse links, LV HRC design (AC/DC)

Operational class gR, special designs

					Without installation bracket	With installation bracket For SITOR 6QG11 thyristor sets
				Screw fixing, flange dimension	M10, 89 mm	
						
I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC		
50 A	1100 A²s	20 W	0.85	600 V	–	3NE4117-5
850 A	2480000 A²s	85 W	1.00	1000 V	3NE9440-6	–
Further information						
Screw fixing					■	■

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Operational class aR, special designs

					Without installation bracket	
					For screwing onto water-cooled busbars	For air-cooled rectifiers in electrolysis systems
				Flange dimension	83 mm	89 mm
						
I_n	Switch-off I^2t value	Power loss P_v	Varying load factor WL	U_n AC		
100 A	7400 A²s	35 W	0.85	1000 V	–	–
170 A	60500 A²s	43 W	0.85	800 V	–	–
200 A	44000 A²s	50 W	0.85	1000 V	–	–
250 A	635000 A²s	25 W	0.90	680 V	–	–
	29700 A²s	105 W	0.85	800 V	–	–
315 A	60700 A²s	120 W	0.85	800 V	–	–
350 A	1430000 A²s	32 W	0.90	680 V	–	–
	260000 A²s	80 W	0.90	800 V	3NC5531	–
350 A	1430000 A²s	32 W	0.90	680 V	–	–
450 A	191000 A²s	140 W	0.85	800 V	–	–
	395000 A²s	90 W	0.85	1000 V	–	–
500 A	276000 A²s	155 W	0.85	800 V	–	–
600 A	888000 A²s	150 W	0.90	1000 V	3NC5840	–
630 A	888000 A²s	145 W	0.90	800 V	3NC5841	–
710 A	923000 A²s	155 W	0.95	800 V	–	–
	620000 A²s	150 W	0.90	900 V	3NE6437-7	3NE6437
800 A	1728000 A²s	170 W	0.90	1000 V	3NC5838	–
900 A	1920000 A²s	170 W	0.90	900 V	–	3NE6444
1250 A	2480000 A²s	210 W	0.90	600 V	3NE9450-7	3NE9450
Further information						
Screw fixing					■	■

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For mounting directly in the railway supply rectifier	For SITOR 6QG12 thyristor sets	With installation bracket For SITOR 6QG10 thyristor sets	For SITOR 6QG11 thyristor sets
	77 mm		
			
–	–	–	3NE4121-5
–	–	–	3NE4146-5
–	–	3NE3525-5	–
3NC7327-2	–	–	–
–	3NE4327-6B	–	–
–	3NE4330-6B	–	–
3NC7331-2	–	–	–
–	–	–	–
3NC7331-2	–	–	–
–	3NE4333-6B	–	–
–	–	3NE3535-5	–
–	3NE4334-6B	–	–
–	–	–	–
–	–	–	–
–	3NE4337-6	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
■	■	■	■

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SITOR semiconductor fuse links, LV HRC design (DC)

Operational class aR, with slotted blade contacts

	Size 1L	Size 2L	Size 3L	Size 2 × 3L
Screw fixing, Mounting dimensions	M10, 190 mm	M12, 190 mm	M12, 190 mm	M12, 190 mm
				

I_n	Switch-off I^2t value at U_{VSI} [1]	Power loss P_v	U_n DC/U_{VSI} (IEC)	U_n DC (UL)				
25 A	100 A²s	8,2 W	440 V/700 V	500 V	–	–	–	–
32 A	220 A²s	10,8 W	440 V/700 V	500 V	–	–	–	–
40 A	270 A²s	12,5 W	440 V/700 V	500 V	–	–	–	–
50 A	480 A²s	16 W	440 V/700 V	500 V	–	–	–	–
63 A	1100 A²s	18,5	440 V/700 V	500 V	–	–	–	–
80 A	2600 A²s	23 W	440 V/700 V	500 V	–	–	–	–
	1800 A²s	42 W	1000 V/1250 V	1100 V	–	–	–	–
100 A	4000 A²s	29 W	440 V/700 V	500 V	–	–	–	–
	4200 A²s	28 W	600 V/1250 V	750 V	–	–	–	–
	3100 A²s	45 W	1000 V/1250 V	1100 V	–	–	–	–
125 A	4800 A²s	28,4 W	440 V/700 V	500 V	–	–	–	–
	6800 A²s	36 W	600 V/1250 V	750 V	–	–	–	–
	6000 A²s	59 W	1000 V/1250 V	1100 V	–	–	–	–
160 A	9800 A²s	35,5 W	440 V/700 V	500 V	–	–	–	–
	12600 A²s	42 W	600 V/1250 V	750 V	–	–	–	–
	13000 A²s	54 W	1000 V/1250 V	1100 V	–	–	–	–
200 A	16000 A²s	45,5 W	440 V/700 V	500 V	–	–	–	–
	24000 A²s	42 W	600 V/1250 V	750 V	–	–	–	–
	28400 A²s	56 W	1000 V/1250 V	1100 V	–	–	–	–
	100000 A²s	75 W	1100 V/1800 V	1300 V	–	–	–	–
	39000 A²s	50 W	1250 V/1500 V	1250 V	3NB1126-4KK11	–	–	–
250 A	34600 A²s	50 W	600 V/1100 V	750 V	–	–	–	–
	60100 A²s	59 W	1000 V/1250 V	1100 V	–	–	–	–
	150000 A²s	110 W	1100 V/1800 V	1300 V	–	–	–	–
	80500 A²s	51 W	1250 V/1500 V	1250 V	3NB1128-4KK11	–	–	–
315 A	69000 A²s	65 W	600 V/1100 V	750 V	–	–	–	–
	107000 A²s	76 W	1000 V/1250 V	1100 V	–	–	–	–
	129000 A²s	63 W	1250 V/1500 V	1250 V	–	3NB1231-4KK11	–	–
350 A	82000 A²s	75 W	600 V/1100 V	750 V	–	–	–	–
	300000 A²s	120 W	1100 V/1800 V	1300 V	–	–	–	–
400 A	109000 A²s	85 W	600 V/1100 V	750 V	–	–	–	–
	225000 A²s	89 W	1000 V/1250 V	1100 V	–	–	–	–
	520000 A²s	150 W	1100 V/1800 V	1300 V	–	–	–	–
	290000 A²s	68 W	1250 V/1500 V	1250 V	–	3NB1234-4KK11	–	–
450 A	125000 A²s	95 W	600 V/1100 V	750 V	–	–	–	–
	480000 A²s	160 W	1100 V/1800 V	1300 V	–	–	–	–
Further information								
Screw fixing					■	■	■	■

[1] For further I_2t values at U_n DC, see Configuration Manual – Fuse systems
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Size 3 × 3L	Size 1 new	Size 2 new	Size 3 (lang) new		Size 2 (lang) new	Size 00 new
M12, 190 mm	M10, 110 mm	M10, 110 mm	M10, 210 mm	M12, 210 mm	M10, 170 mm	M10, 80 mm Bolt-on bracket
						
–	–	–	–	–	–	3NB1713-0KK13
–	–	–	–	–	–	3NB1715-0KK13
–	–	–	–	–	–	3NB1717-0KK13
–	–	–	–	–	–	3NB1720-0KK13
–	–	–	–	–	–	3NB1721-0KK13
–	–	–	–	–	–	3NB1722-0KK13
–	–	–	–	–	3NB1222-3KK15	–
–	–	–	–	–	–	3NB1723-0KK13
–	3NB1123-1KK15	–	–	–	–	–
–	–	–	–	–	3NB1223-3KK15	–
–	–	–	–	–	–	3NB1724-0KK13
–	3NB1124-1KK15	–	–	–	–	–
–	–	–	–	–	3NB1224-3KK15	–
–	–	–	–	–	–	3NB1725-0KK13
–	3NB1125-1KK15	–	–	–	–	–
–	–	–	–	–	3NB1225-3KK15	–
–	–	–	–	–	–	3NB1726-0KK13
–	3NB1126-1KK15	–	–	–	–	–
–	–	–	–	–	3NB1226-3KK15	–
–	–	–	3NB1326-4KK11	–	–	–
–	–	–	–	–	–	–
–	3NB1128-1KK15	–	–	–	–	–
–	–	–	–	–	3NB1228-3KK15	–
–	–	–	3NB1328-4KK11	–	–	–
–	–	–	–	–	–	–
–	3NB1131-1KK15	–	–	–	–	–
–	–	–	–	–	3NB1231-3KK15	–
–	–	–	–	–	–	–
–	3NB1132-1KK15	–	–	–	–	–
–	–	–	3NB1332-4KK11	–	–	–
–	3NB1134-1KK15	3NB1234-1KK15	–	–	–	–
–	–	–	–	–	3NB1234-3KK15	–
–	–	–	3NB1334-4KK11	–	–	–
–	–	–	–	–	–	–
–	3NB1136-1KK15	3NB1236-1KK15	–	–	–	–
–	–	–	3NB1336-4KK11	3NB1336-4KK15	–	–
■	■	■	■	■	■	■

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SITOR semiconductor fuse links, LV HRC design (DC)

Operational class aR, with slotted blade contacts (continued)

	Size 1L	Size 2L	Size 3L	Size 2 × 3L
Screw fixing, Mounting dimensions	M10, 190 mm	M12, 190 mm	M12, 190 mm	M12, 190 mm
				

I_n	Switch-off I^2t value at U_{VSI} [1]	Power loss P_v	U_n DC/U_{VSI} (IEC)	U_n DC (UL)				
500 A	178000 A²s	105 W	600 V/700 V	700 V	–	–	–	–
	182000 A²s	90 W	600 V/750 V	750 V	–	–	–	–
	410000 A²s	109 W	1000 V/1250 V	1100 V	3NB1237-3KK15	–	–	–
	600000 A²s	89 W	1250 V/1500 V	1250 V	–	–	3NB1337-4KK11	–
525 A	620000 A²s	210 W	1100 V/1800 V	1300 V	–	–	–	–
550 A	230000 A²s	110 W	600 V/700 V	700 V	–	–	–	–
560 A	240000 A²s	95 W	600 V/750 V	750 V	–	–	–	–
630 A	280000 A²s	127 W	600 V/700 V	700 V	–	–	–	–
	350000 A²s	100 W	600 V/750 V	750 V	–	–	–	–
	520000 A²s	163 W	1000 V/1250 V	1100 V	–	–	–	–
	1000000 A²s	220 W	1100 V/1800 V	1300 V	–	–	–	–
710 A	430000 A²s	105 W	500 V/600 V	600 V	–	–	–	–
	1150000 A²s	275 W	1100 V/1800 V	1300 V	–	–	–	–
800 A	590000 A²s	130 W	500 V/600 V	600 V	–	–	–	–
	1910000 A²s	135 W	1250 V/1500 V	1250 V	–	–	3NB1345-4KK11	–
	1150000 A²s	160 W	1250 V/1500 V	1250 V	–	–	–	3NB2345-4KK16
900 A	650000 A²s	165 W	500 V/600 V	600 V	–	–	–	–
1000 A	2250000 A²s	195 W	1250 V/1500 V	1250 V	–	–	–	3NB2350-4KK16
1400 A	5100000 A²s	250 W	1250 V/1500 V	1250 V	–	–	–	3NB2355-4KK16
1600 A	7450000 A²s	275 W	1250 V/1500 V	1250 V	–	–	–	3NB2357-4KK16
2100 A	1195000 A²s	365 W	1250 V/1500 V	1250 V	–	–	–	–
2400 A	18100000 A²s	445 W	1250 V/1500 V	1250 V	–	–	–	–
Further information								
Screw fixing					■	■	■	■

[1] For further I_2t values at U_n DC, see Configuration Manual – Fuse systems
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Size 3 × 3L	Size 1 new	Size 2 new	Size 3 (lang) new		Size 2 (lang) new	Size 00 new
M12, 190 mm	M10, 110 mm	M10, 110 mm	M10, 210 mm	M12, 210 mm	M10, 170 mm	M10, 80 mm Bolt-on bracket
						
–	3NB1137-1KK11	–	–	–	–	–
–	–	3NB1237-1KK15	–	–	–	–
–	–	–	–	–	3NB1237-3KK15	–
–	–	–	–	–	–	–
–	–	–	–	3NB1337-4KK15	–	–
–	3NB1138-1KK11	–	–	–	–	–
–	–	3NB1240-1KK15	–	–	–	–
–	3NB1142-1KK11	–	–	–	–	–
–	–	3NB1242-1KK15	–	–	–	–
–	–	–	–	–	3NB1242-3KK15	–
–	–	–	3NB1342-4KK11	3NB1342-4KK15	–	–
–	–	3NB1243-1KK15	–	–	–	–
–	–	–	–	3NB1343-4KK15	–	–
–	–	3NB1245-1KK15	–	–	–	–
–	–	–	–	–	–	–
–	–	–	–	–	–	–
–	–	3NB1247-1KK15	–	–	–	–
–	–	–	–	–	–	–
–	–	–	–	–	–	–
–	–	–	–	–	–	–
3NB2364-4KK17	–	–	–	–	–	–
3NB2366-4KK17	–	–	–	–	–	–
■	■	■	■	■	■	■

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SITOR semiconductor fuse links, LV HRC design (DC)

Operational class aR, with blade contacts without slots new

					Size 0	Size 00	Size 1	Size 2
								
I_n	Switch-off I^2t value at U_{VSI} [1]	Power loss P_v	U_n DC/U_{VSI} (IEC)	U_n DC (UL)				
32 A	280 A^2s	12 W	600 V/900 V	750 V	3NB1015-1KK10	–	–	–
40 A	330 A^2s	13 W	600 V/900 V	750 V	3NB1017-1KK10	–	–	–
50 A	520 A^2s	16 W	600 V/900 V	750 V	3NB1020-1KK10	–	–	–
63 A	900 A^2s	20 W	600 V/900 V	750 V	3NB1021-1KK10	–	–	–
80 A	2100 A^2s	22 W	600 V/900 V	750 V	3NB1022-1KK10	–	–	–
	1100 A^2s	19 W	440 V/700 V	500 V	–	3NB1722-0KK10	–	–
100 A	3900 A^2s	24 W	600 V/900 V	750 V	3NB1023-1KK10	–	–	–
	3100 A^2s	25,5 W	440 V/600 V	500 V	–	–	3NB1123-0KK10	–
	3200 A^2s	22 W	440 V/700 V	500 V	–	3NB1723-0KK10	–	–
125 A	6800 A^2s	30 W	600 V/900 V	750 V	3NB1024-1KK10	–	–	–
	5400 A^2s	28,5 W	440 V/600 V	500 V	–	–	3NB1124-0KK10	–
	6200 A^2s	28 W	440 V/700 V	500 V	–	3NB1724-0KK10	–	–
160 A	13000 A^2s	35 W	600 V/800 V	750 V	3NB1025-1KK10	–	–	–
	8500 A^2s	37 W	440 V/600 V	500 V	–	–	3NB1125-0KK10	–
	8500 A^2s	38 W	440 V/700 V	500 V	–	3NB1725-0KK10	–	–
200 A	14500 A^2s	49 W	440 V/600 V	500 V	–	–	3NB1126-0KK10	–
250 A	30000 A^2s	52 W	440 V/600 V	500 V	–	–	3NB1128-0KK10	–
315 A	75000 A^2s	68 W	440 V/500 V	500 V	–	–	3NB1131-0KK10	–
350 A	45000 A^2s	68,6 W	440 V/500 V	500 V	–	–	–	3NB1232-0KK10
400 A	80000 A^2s	72,8 W	440 V/500 V	500 V	–	–	–	3NB1234-0KK10
450 A	100000 A^2s	80,1 W	440 V/500 V	500 V	–	–	–	3NB1236-0KK10
500 A	160000 A^2s	77,5 W	440 V/500 V	500 V	–	–	–	3NB1237-0KK10
550 A	230000 A^2s	86,4 W	440 V/500 V	500 V	–	–	–	3NB1238-0KK10
630 A	330000 A^2s	90,7 W	440 V/500 V	500 V	–	–	–	3NB1242-0KK10

[1] For further I_2t values at U_n DC, see Configuration Manual – Fuse systems
www.siemens.com/lowvoltage/manuals (45314810)

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Quick selection guide, page 7/30

SITOR semiconductor fuse links, cylindrical fuse design (AC/DC)

Operational class gS

				Size 22 × 127 mm
				
I_n	Switch-off I^2t value	Power loss P_v	U_n AC/DC	
1 A	2 A^2s	2 W	1500 V/1000 V	3NC2301-0MK
2 A	4.4 A^2s	2.5 W	1500 V/1000 V	3NC2302-0MK
4 A	55 A^2s	5.3 W	1500 V/1000 V	3NC2304-0MK
6 A	150 A^2s	6.4 W	1500 V/1000 V	3NC2306-0MK
10 A	540 A^2s	3.1 W	1500 V/1000 V	3NC2310-0MK
16 A	1120 A^2s	4.7 W	1500 V/1000 V	3NC2316-0MK
20 A	2850 A^2s	5.4 W	1500 V/1000 V	3NC2320-0MK
25 A	3300 A^2s	6.9 W	1500 V/1000 V	3NC2325-0MK
32 A	9050 A^2s	6.7 W	1500 V/1000 V	3NC2332-0MK
Further information				
Installation in SITOR fuse holders				3NC23
Further currents, operational class gR				See page 7/76
Further currents, operational class aR				See page 7/78

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SITOR semiconductor fuse links, cylindrical fuse design (AC/DC)

Operational class gR

				Size 10 × 38 mm	Size 14 × 51 mm	Size 22 × 58 mm	Size 22 × 127 mm
I_n	Switch-off I^2t value	Power loss P_v	U_n AC/DC				
2 A	33 A²s	0,5 W	–/1100 V [2]	3NC1202-0MK new	–	–	–
4 A	99 A²s	0,7 W	–/1100 V [2]	3NC1204-0MK new	–	–	–
6 A	3,5 A²s	3,1 W	690 V/700 V [1]	–	3NC1406-0MK	–	–
	6,5 A²s	2,5 W	690 V/440 V	3NC1006-0MK	–	–	–
	120 A²s	1,4 W	–/1100 V [2]	3NC1206-0MK new	–	–	–
8 A	210 A²s	1,7 W	–/1100 V [2]	3NC1208-0MK new	–	–	–
10 A	15 A²s	4,6 W	690 V/700 V [1]	–	3NC1410-0MK	–	–
	17 A²s	4,3 W	690 V/440 V	–	–	–	–
	18 A²s	3,3 W	690 V/440 V	3NC1010-0MK	–	–	–
	260 A²s	2,3 W	–/1000 V [3]	3NC1210-0MK new	–	–	–
12 A	35 A²s	4 W	690 V/440 V	3NC1012-0MK	–	–	–
16 A	32 A²s	6,7 W	690 V/600 V	–	3NC1416-0MK	–	–
	45 A²s	6 W	690 V/440 V	3NC1016-0MK	–	–	–
	52 A²s	4,4 W	690 V/440 V	–	–	–	–
20 A	68 A²s	7,4 W	690 V/600 V	–	3NC1420-0MK	–	–
	90 A²s	6,5 W	690 V/440 V	–	–	–	–
	110 A²s	7,8 W	690 V/250 V	3NC1020-0MK	–	–	–
25 A	108 A²s	8,4 W	690 V/600 V	–	3NC1425-0MK	–	–
	120 A²s	9,5 W	690 V/440 V	–	–	–	–
	140 A²s	8,7 W	690 V/250 V	3NC1025-0MK	–	–	–
	160 A²s	8,5 W	690 V/440 V	–	–	–	–
	180 A²s	8,1 W	690 V/700 V [1]	–	–	3NC2225-0MK	–
32 A	175 A²s	12,3 W	690 V/600 V	–	3NC1432-0MK	–	–
	220 A²s	12,3 W	690 V/440 V	–	–	–	–
	400 A²s	8,9 W	690 V/440 V	–	–	–	–
	420 A²s	9 W	690 V/600 V	–	–	3NC2232-0MK	–
	450 A²s	12 W	690 V/250 V	3NC1032-0MK	–	–	–
40 A	400 A²s	14,8 W	690 V/440 V	–	–	–	–
	470 A²s	11,7 W	690 V/440 V	–	3NC1440-0MK	–	–
	600 A²s	11 W	690 V/440 V	–	–	–	–
	700 A²s	12,5 W	690 V/440 V	–	–	3NC2240-0MK	–
	18500 A²s	9,4 W	1500 V/1000 V	–	–	–	3NC2340-0MK
50 A	830 A²s	16,3 W	690 V/250 V	–	–	–	–
	980 A²s	17,5 W	690 V/440 V	–	–	–	–
	1250 A²s	13,8 W	690 V/440 V	–	–	–	–
	1250 A²s	15,2 W	690 V/250 V	–	–	–	–
63 A	2050 A²s	18,8 W	690 V/440 V	–	–	–	–
	2400 A²s	17,5 W	690 V/250 V	–	–	–	–
80 A	4400 A²s	23 W	690 V/250 V	–	–	–	–
100 A	11500 A²s	28,7 W	690 V/250 V	–	–	–	–
Further information							
Screw fixing				–	–	–	–
Installation in SITOR fuse holders				3NC109.	3NC149.	3NC229.	3NC23
Installation in SITOR fuse bases				–	–	–	–
Further currents, operational class gS				–	–	–	See page 7/75
Further currents, operational class aR				–	–	–	See page 7/78

[1] Observe 600 V DC voltage according to IEC, 700 V according to UL, time constant and minimum breaking current MBC.
[2] DC voltage (IEC) at time constant 10 ms, VSI voltage 1150 V at time constant < 3 ms, UL voltage 1250 V at time constant 10 ms
[3] DC voltage (IEC) at time constant 10 ms, VSI voltage 1150 V at time constant < 3 ms, UL voltage 1100 V at time constant 10 ms

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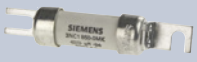
Quick selection guide, page 7/30

With M8 bolt-on links Size 18 × 88 mm	Size 26 × 103 mm
	
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3NC1810-0MK	–
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3NC1816-0MK	–
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3NC1820-0MK	–
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–	3NC2625-0MK
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3NC1825-0MK	–
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–	3NC2632-0MK
3NC1832-0MK	–
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–	3NC2640-0MK
–	–
3NC1840-0MK	–
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–	–
–	–
–	3NC2650-0MK
3NC1850-0MK	–
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–	3NC2663-0MK
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■	■
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3NH5723	3NH5023
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Quick selection guide, page 7/30

SITOR semiconductor fuse links, cylindrical fuse design (AC/DC)

Operational class aR

				Size 10 × 38 mm [1]	Size 14 × 51 mm	
					Standard	With striking pin
						
I_n	Switch-off I^2t value	Power loss P_v	U_n AC/DC			
1 A	1.2 A²s	5 W	660 V/–	–	3NC1401	–
2 A	10 A²s	3 W	660 V/–	–	3NC1402	–
3 A	8 A²s	1.2 W	600/700 V [1]	3NC1003	–	–
	15 A²s	2.5 W	660 V/–	–	3NC1403	–
4 A	25 A²s	3 W	660 V/–	–	3NC1404	–
5 A	11 A²s	1.5 W	690/700 V [1]	–	3NC1405	–
6 A	11 A²s	1.5 W	690/700 V [1]	–	3NC1406	–
	20 A²s	1.5 W	600/700 V [1]	3NC1006	–	–
8 A	30 A²s	2 W	600/700 V [1]	3NC1008	–	–
10 A	22 A²s	4 W	690/700 V [1]	–	3NC1410	–
	32 A²s	4 W	690/600 V [1]	–	–	3NC1410-5
	60 A²s	2.5 W	600/700 V [1]	3NC1010	–	–
12 A	110 A²s	3 W	600/700 V [1]	3NC1012	–	–
15 A	63 A²s	5.5 W	690/600 V [1]	–	–	3NC1415-5
	70 A²s	5.5 W	690/700 V [1]	–	3NC1415	–
16 A	150 A²s	3.5 W	600/700 V [1]	3NC1016	–	–
20 A	100 A²s	6 W	690/700 V [1]	–	3NC1420	–
	200 A²s	4.8 W	600/700 V [1]	3NC1020	–	–
	220 A²s	4.6 W	690/700 V [1]	–	–	–
	234 A²s	6 W	690/600 V [1]	–	–	3NC1420-5
	240 A²s	5 W	690/500 V [1]	–	–	–
25 A	250 A²s	6 W	600/700 V [1]	3NC1025	–	–
	300 A²s	5.6 W	690/700 V [1]	–	–	–
	320 A²s	7 W	690/700 V [1]	–	3NC1425	–
	350 A²s	6 W	690/500 V [1]	–	–	–
	378 A²s	7 W	690/600 V [1]	–	–	3NC1425-5
30 A	400 A²s	9 W	690/700 V [1]	–	3NC1430	–
	466 A²s	9 W	690/600 V [1]	–	–	3NC1430-5
32 A	450 A²s	7 W	690/700 V [1]	–	–	–
	500 A²s	7.5 W	660 V/–	3NC1032	–	–
	500 A²s	8 W	690/500 V [1]	–	–	–
	600 A²s	7.6 W	690/700 V [1]	–	3NC1432	
	600 A²s	7.6 W	690/600 V [1]			3NC1432-5
40 A	700 A²s	8.5 W	690/700 V [1]	–	–	–
	750 A²s	8 W	690/600 V [1]			3NC1440-5
	750 A²s	8 W	690/700 V [1]	–	3NC1440	
	800 A²s	9 W	690/500 V [1]	–	–	–
Further information						
Screw fixing				–	–	–
Installation in SITOR fuse holders				3NC109.	3NC149.	3NC149.-5
Installation in SITOR fuse bases				–	–	–
Further currents, operational class gR				–	–	–
Further currents, operational class gS				–	–	–

[1] Observe DC voltage acc. to UL, time constant and minimum breaking current MBC

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Quick selection guide, page 7/30

Size 22 × 58 mm		Size 22 × 127 mm	Size 26 × 103 mm
Standard	With striking pin		With M8 bolt-on links
			
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3NC2220	–	–	–
–	–	–	–
–	3NC2220-5	–	–
–	–	–	–
3NC2225	–	–	–
–	–	–	–
–	3NC2225-5	–	–
–	–	–	–
–	–	–	–
–	–	–	–
3NC2232	–	–	–
–	–	–	–
–	3NC2232-5	–	–
–	–	–	–
3NC2240	–	–	–
–	–	–	–
–	3NC2240-5	–	–
–	–	–	■
3NC229.	3NC229.-5	3NC23	–
–	–	–	3NH5023
–	–	See page 7/76	–
–	–	See page 7/75	–

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SITOR semiconductor fuse links, cylindrical fuse design (AC/DC)

Operational class aR (continued)

				Size 10 × 38 mm [1]	Size 14 × 51 mm	
					Standard	With striking pin
						
I_n	Switch-off I^2t value	Power loss P_v	U_n AC/DC			
50 A	1350 A^2s	9.5 W	690/700 V [1]	–	–	–
	1500 A^2s	9.5 W	690/500 V [1]	–	–	–
	1800 A^2s	9 W	690/600 V [1]			3NC1450-5
	1800 A^2s	9 W	690/700 V [1]	–	3NC1450	
	26000 A^2s	11.6 W	1500/1000 V	–	–	–
63 A	2100 A^2s	16.7 W	690/250 V	–	3NC1463-0MK	–
	2600 A^2s	11 W	690/700 V [1]	–	–	–
	3000 A^2s	11 W	690/500 V [1]	–	–	–
80 A	3500 A^2s	22.5 W	690/440 V	–	–	–
	5500 A^2s	13.5 W	690/700 V [1]	–	–	–
	6000 A^2s	13.5 W	690/500 V [1]	–	–	–
100 A	5400 A^2s	31.5 W	690/440 V	–	–	–
	8000 A^2s	16 W	690/700 V [1]	–	–	–
	8500 A^2s	16 W	600/500 V [1]	–	–	–
125 A	11800 A^2s	39 W	690/440 V	–	–	–
	29000 A^2s	35.3 W	690/250 V	–	–	–
Further information						
Screw fixing				–	–	–
Installation in SITOR fuse holders				3NC109.	3NC149.	3NC149.-5
Installation in SITOR fuse bases				–	–	–
Further currents, operational class gR				–	–	–
Further currents, operational class gS				–	–	–

[1] Observe DC voltage acc. to UL, time constant and minimum breaking current MBC

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Size 22 × 58 mm		Size 22 × 127 mm	Size 26 × 103 mm
Standard	With striking pin		With M8 bolt-on links
			
3NC2250	–	–	–
–	3NC2250-5	–	–
–	–	–	–
–	–	3NC2350-0MK	–
–	–	–	–
3NC2263	–	–	–
–	3NC2263-5	–	–
–	–	–	3NC2680-0MK
3NC2280	–	–	–
–	3NC2280-5	–	–
–	–	–	3NC2600-0MK
3NC2200	–	–	–
–	3NC2200-5	–	–
–	–	–	3NC2611-0MK
3NC2211-0MK	–	–	–
–	–	–	■
3NC229.	3NC229.-5	3NC23	–
–	–	–	3NH5023
–	–	See page 7/76	–
–	–	See page 7/75	–

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Photovoltaic fuse links,

Cylindrical fuse de sign, operational class gPV

				Size 10 × 38 mm	Size 10 × 85 mm
					
I_n DC	Power loss P_v	Power loss P_v at 70% [1]	U_n DC		
2 A	1.4 W	0.6 W	1000 V	3NW6002-4	–
4 A	1.6 W	0.7 W	1000 V	3NW6004-4	–
	2.7 W	1.1 W	1500 V	–	3NW6604-4
6 A	1.7 W	0.7 W	1000 V	3NW6001-4	–
	3.0 W	1.2 W	1500 V	–	3NW6601-4
8 A	1.9 W	0.8 W	1000 V	3NW6008-4	–
	3.6 W	1.5 W	1500 V	–	3NW6608-4
10 A	2.3 W	1.0 W	1000 V	3NW6003-4	–
	3.7 W	1.6 W	1500 V	–	3NW6603-4
12 A	2.7 W	1.1 W	1000 V	3NW6006-4	–
	3.3 W	1.4 W	1500 V	–	3NW6606-4
16 A	3.2 W	1.3 W	1000 V	3NW6005-4	–
	3.7 W	1.6 W	1500 V	–	3NW6605-4
20 A	3.4 W	1.4 W	1000 V	3NW6007-4	–
	4.0 W	1.7 W	1200 V	–	3NW6607-4
Further information					
Installation in fuse holders				3NW70..-4	3NW76..-4

[1] Tested in fuse holders 3NW7013-4 and 3NW7613-4.

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LV HRC design, operational class gPV

			Size 1	Size 1L	Size 2L	Size 3L	Size 1XL	Size 2XL
								
I_n DC	Power loss P_v	U_n DC						
63 A	19 W	1000 V	3NE1218-4	–	–	–	–	–
	20 W	1500 V	–	–	–	–	3NE1218-5E	–
80 A	20 W	1000 V	3NE1220-4	–	–	–	–	–
	25 W	1500 V	–	–	–	–	3NE1220-5E	–
100 A	24 W	1000 V	3NE1221-4	–	–	–	–	–
	30 W	1500 V	–	–	–	–	3NE1221-5E	–
125 A	26 W	1000 V	3NE1222-4	–	–	–	–	–
	29 W	1500 V	–	–	–	–	3NE1222-5E	–
160 A	32 W	1000 V	3NE1224-4	–	–	–	–	–
	34 W	1500 V	–	–	–	–	3NE1224-5E	–
200 A	41 W	1500 V	–	–	–	–	3NE1225-5E	–
	51 W	1000 V	–	3NE1225-4D	–	–	–	–
250 A	53 W	1500 V	–	–	–	–	–	3NE1327-5E
	54 W	1000 V	–	3NE1227-4D	–	–	–	–
315 A	63 W	1500 V	–	–	–	–	–	3NE1330-5E
	73 W	1000 V	–	–	3NE1330-4D	–	–	–
400 A	82 W	1000 V	–	–	3NE1332-4D	–	–	–
500 A	100 W	1000 V	–	–	–	3NE1434-4E	–	–
630 A	110 W	1000 V	–	–	–	3NE1436-4E	–	–

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Class CC fuse links

Acc. to UL

		Characteristic: Slow	Characteristic: Slow, current-limiting	Characteristic: Quick
				
I_n	I_n [1]			
0.6 A	6/10 A	3NW1006-0HG	–	–
0.8 A	8/10 A	3NW1008-0HG	–	–
1 A	–	3NW1010-0HG	3NW3010-0HG	3NW2010-0HG
1.5 A	1.5 A	3NW1015-0HG	–	–
2 A	–	3NW1020-0HG	3NW3020-0HG	3NW2020-0HG
2.5 A	–	3NW1025-0HG	–	–
3 A	–	3NW1030-0HG	3NW3030-0HG	3NW2030-0HG
4 A	–	3NW1040-0HG	3NW3040-0HG	3NW2040-0HG
5 A	–	3NW1050-0HG	3NW3050-0HG	3NW2050-0HG
6 A	–	3NW1060-0HG	3NW3060-0HG	3NW2060-0HG
7.5 A	–	3NW1075-0HG	–	–
8 A	–	3NW1080-0HG	3NW3080-0HG	3NW2080-0HG
10 A	–	3NW1100-0HG	3NW3100-0HG	3NW2100-0HG
12 A	–	–	3NW3120-0HG	3NW2120-0HG
15 A	–	3NW1150-0HG	3NW3150-0HG	3NW2150-0HG
20 A	–	3NW1200-0HG	3NW3200-0HG	3NW2200-0HG
25 A	–	3NW1250-0HG	3NW3250-0HG	3NW2250-0HG
30 A	–	3NW1300-0HG	3NW3300-0HG	3NW2300-0HG
Further information				
Installation in fuse holders		3NW75.3-0HG, 3NW753.-1HG, 3NW7431-0HG	3NW75.3-0HG, 3NW753.-1HG, 3NW7431-0HG	3NW75.3-0HG, 3NW753.-1HG, 3NW7431-0HG

[1] American English wording

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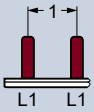
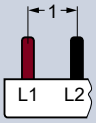
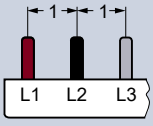
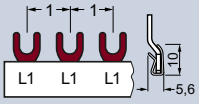
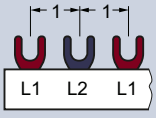
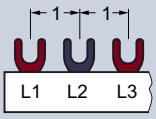
Busbars

According to IEC, can be cut

Pin spacing 1 MW

Pin spacing in MW (1 MW = 18 mm)	Application	Length	Version	Conductor cross-section	Article No.
1-phase, angled					
	For cylindrical fuse holders 8 × 32 mm and 10 × 38 mm For SITOR cylindrical fuse holders 10 × 38 mm	214 mm	With end caps	16 mm²	5ST3700
		1016 mm	Without end caps	16 mm²	5ST3701
2-phase					**Article No.**
	For cylindrical fuse holders 8 × 32 mm and 10 × 38 mm For SITOR cylindrical fuse holders 10 × 38 mm	214 mm	With end caps	16 mm²	5ST3704
		1016 mm	Without end caps	16 mm²	5ST3705
3-phase					**Article No.**
	For cylindrical fuse holders 8 × 32 mm and 10 × 38 mm For SITOR cylindrical fuse holders 10 × 38 mm	214 mm	With end caps	16 mm²	5ST3708
		1016 mm	Without end caps	16 mm²	5ST3710

Fork spacing 1 MW

Fork spacing in MW (1 MW = 18 mm)	Application	Length	Version	Conductor cross-section	Article No.
1-phase					
	For MINIZED D01 fuse switch disconnectors	1000 mm	Without end caps	16 mm²	5ST2190
2-phase					**Article No.**
	For MINIZED D01 fuse switch disconnectors	1000 mm	Without end caps	16 mm²	5ST2191
3-phase					**Article No.**
	For MINIZED D01 fuse switch disconnectors	1000 mm	Without end caps	16 mm²	5ST2192

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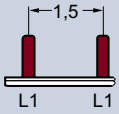
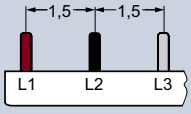
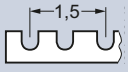
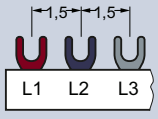
According to IEC, can be cut

Pin spacing 1.5 MW

Pin spacing in MW (1.5 MW = 27 mm)	Application	Length	Version	Conductor cross-section	
1-phase, angled					**Article No.**
	For 5SG71.3 MINIZED D02 switch disconnectors with fuses For NEOZED D01/D02 fuse bases made of molded plastic 5SG1301, 5SG1701, 5SG1302, 5SG1702 For NEOZED D01/D02 fuse bases made of ceramic with saddle terminals For cylindrical fuse holders 14 × 51 mm, 3NW7111 For SITOR cylindrical fuse holders 14 × 51 mm, 3NC1491	1016 mm	Without end caps	16 mm²	5ST3703
3-phase					**Article No.**
	For 5SG71.3 MINIZED D02 switch disconnectors with fuses For NEOZED D01/D02 fuse bases made of molded plastic 5SG5301, 5SG5701, 5SG5302, 5SG5702 For NEOZED D01/D02 fuse bases made of ceramic with saddle terminals For cylindrical fuse holders 14 × 51 mm, 3NW7131 For SITOR cylindrical fuse holders 14 × 51 mm, 3NC1493	1016 mm	Without end caps	16 mm²	5ST3714

Fork spacing 1.5 MW

Fork spacing in MW (1.5 MW = 27 mm)	Application	Length	Version	Conductor cross-section	
1-phase					**Article No.**
	For NEOZED D01/D02 fuse bases made of ceramic with clamp-type terminal and screw head contacts	1000 mm	Without end caps, non-insulated	36 mm²	5SH5322
3-phase					**Article No.**
	For NEOZED D01/D02 fuse bases made of ceramic with clamp-type terminals and screw head contacts	1000 mm	Without end caps	16 mm²	5SH5320

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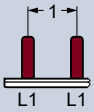
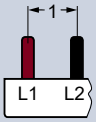
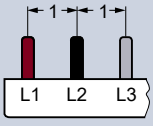
Busbars

According to UL 508, can be cut

Pin spacing 1 MW

Pin spacing in MW (1 MW = 18 mm)	Application	Length	Version	Conductor cross-section	
1-phase					**Article No.**
	For Class CC fuse holders 10 × 38 mm (3NC1091, 3NW7513-0HG)	1000 mm	Without end caps	18 mm²	5ST3701-0HG
2-phase					**Article No.**
	For Class CC fuse holders 10 × 38 mm (3NC1092, 3NW7523-0HG)	1000 mm	Without end caps	18 mm²	5ST3705-0HG
3-phase					**Article No.**
	For Class CC fuse holders 10 × 38 mm (3NC1093, 3NW7533-0HG)	1000 mm	Without end caps	18 mm²	5ST3710-0HG

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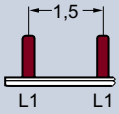
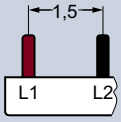
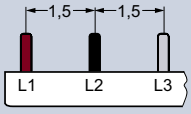
According to UL 508, can be cut

Pin spacing 1.5 MW

Pin spacing in MW (1 MW = 18 mm)	Application	Length	Version	Conductor cross-section	
1-phase					**Article No.**
	For fuse holders 14 × 51 mm (3NC1491, 3NW7111)	1000 mm	Without end caps	18 mm²	5ST3703-0HG
				25 mm²	5ST3701-2HG
2-phase					
	For fuse holders 14 × 51 mm (3NC1492, 3NW7121)	1000 mm	Without end caps	25 mm²	5ST3705-2HG
3-phase					**Article No.**
	For fuse holders 14 × 51 mm (3NC1493, 3NW7131)	1000 mm	Without end caps	18 mm²	5ST3714-0HG
				25 mm²	5ST3710-2HG

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System overview, page 7/4

Busbars

Accessories

For busbars according to IEC

Terminals

- For NEOZED D01/D02 fuse bases made of ceramic
- For DIAZED DII/DIII fuse bases made of ceramic

	Terminal version	Conductor cross-section	Article No.
	Terminal version S	2 ... 25 mm²	5SH5327
	Terminal versions B and K	6 ... 25 mm²	5SH5328

Touch protection

- For free connections, yellow (RAL 1004) 5 × 1 pin

Article No.
5ST3655

End caps

	Version	For busbar type	Article No.
	For 1-phase busbars	5ST2190	5ST2196
		5ST37 and 5SH55	5ST3748
	For 2-phase and 3-phase busbars	5ST2191 and 5ST2192	5ST2197
		5ST37 and 5SH5320	5ST3750

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For busbars according to UL 508

Terminals according to UL 508

	Version	Infeed	Article No.
	For busbars 35 mm²	Device	5ST3770-0HG
	For busbars 30 mm²	Busbar	5ST3770-1HG

Busbar touch protection according to UL 508

- For free connections, yellow (RAL 1004) 5 × 1 pin

Article No.
5ST3655-0HG

End caps for 5ST37. .-.HG

	Version	Article No.
	For 1-phase busbars	5ST3748-0HG
	For 2 and 3-phase busbars	5ST3750-0HG

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System overview, page 7/4

LV HRC signal detectors, electronic fuse monitoring

LV HRC signal detectors

- Only for SIEMENS 3NA3, 3NA7, 3ND LV HRC fuse links with non-insulated grip lugs
- Rated voltage of up to 690 V AC/600 V DC
- Contact: Microswitches 250 V AC, 6 A
- Connection: flat male tab A2.8 x 0.5 mm acc. to DIN 46244

Fuse size	Article No.
000 ... 4	3NX1021

Signal detector links

- Rated voltage of up to 690 V AC/600 V DC

Fuse size	Response value	Application	Article No.
000 ... 4	>9 V/2.5 A	For standard applications	3NX1022
	>2 V/7 A	Only for meshed networks	3NX1023

Signal detector tops

- Only for SIEMENS 3NA3, 3NA7, 3ND LV HRC fuse links with non-insulated grip lugs
- Rated voltage of up to 690 V AC/600 V DC
- Contact: Microswitch 230 V AC, 5 A, 1 CO
- Connection: flat connector 2.3 mm

Fuse size	Article No.
000, 00, 1, 2	3NX1024

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Electronic fuse monitor

- For all low-voltage fuse systems
- For monitoring all types and versions of melting fuses that cannot be equipped with a fault signal contact
- Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors
- Signal also for disconnected loads

U_e AC	I_n	U_c	Article No.
230 V	4 A	3 AC 380 ... 415 V	5TT3170

Electronic fuse monitor for remote display of tripped fuses

- Remote display by auxiliary contact (1 CO)
- Local detection by integrated LED
- For all sizes
- For 3KF LV HRC and 3KF SITOR

U_e AC	I_n	U_c	Article No.
230 V	1.5 A	3 AC 690 V	3KF9010-1AA00

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Appendix

A

Conditions of sale and delivery

1. General Provisions

By using this catalog you can purchase products (hardware, software and services) described therein from Siemens Aktiengesellschaft subject to the following Terms and Conditions of Sale and Delivery (hereinafter referred to as „T&C"). Please note that the scope, the quality and the conditions for supplies and services, including software products, by any Siemens entity having a registered office outside Germany, shall be subject exclusively to the General Terms and Conditions of the respective Siemens entity. The following T&C apply exclusively for orders placed with Siemens Aktiengesellschaft, Germany.

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For customers with a seat or registered office in European Union, the following terms and conditions apply subordinate to T&C:

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- for other services, the „Supplementary Terms and Conditions for Services ("BL")[1] and/or
- for other supplies the „General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"[1].
  In case such supplies should contain Open Source Software, the conditions of which shall prevail over the „General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"[1], a notice will be contained in the scope of delivery in which the applicable conditions for Open Source Software are specified. This shall apply mutatis mutandis for notices referring to other third party software components.

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- for products, which include specific terms and conditions in the description text, these specific terms and conditions shall apply and subordinate thereto,
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- for other services the „International Terms & Conditions for Services"[1] supplemented by „Software Licensing Conditions"[1] and/or
- for other supplies of hard- and software the „International Terms & Conditions for Products"[1] supplemented by „Software Licensing Conditions"[1]

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A

[1] The text of the Terms and Conditions of Siemens AG can be downloaded at https://mall.industry.siemens.com/legal/ww/en/terms_of_trade_en.pdf

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